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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
SEPTEMBER 1981

Unemployment in Ohio rose from 488,000 in August to 511,000 in September, lifting the rate from 9.4 to 10.0 percent of the civilian labor force. Total employment slipped 2.3 percent to 4,593,000. Seasonal gains in education, however, boosted nonfarm payroll employment .9 percent, to 4,396,000.

Employment in Ohio's manufacturing industries totaled 1,259,000 in September, up 1.3 percent from August. Automotive and related industries accounted for much of the increase as auto manufacturers and suppliers of stamped-metal components recalled workers upon completion of retooling for the 1982 models. Producers of automotive castings and wiring also reported recalls. Increases in food processing were due largely to seasonal hiring by canners. Fewer orders, however, led to curtailments in basic steel.

Nonmanufacturing employment rose .8 percent, to 3,137,000 in September. Gains in government and services were concentrated among schools and colleges, as the new academic year began. Retailing also rose seasonally among department, apparel, and food stores. Growth was moderated, however, by a downturn in construction, and by noneducational cutbacks by state and local governments.

Average weekly earnings of Ohio's factory production workers advanced $3, to nearly $397 in September. Their average workweek, at 41.0 hours, was fractionally longer. Overtime increases were reported by newspaper publishers, and by producers of food--meat, dairy products, and beverages. Wage-rate increases boosted earnings in nonferrous rolling and drawing mills, commercial printing, and glassware. Higher earnings in paper production reflected more overtime as well as premium Labor-Day pay. Curtailed production, however, lowered earnings in the manufacture of fasteners. Producers of automotive stampings and plastic products reported less overtime.

Statewide unemployment increased by some 50,000 between September 1980 and September 1981, raising the jobless rate from 8.9 to 10.0 percent. Total employment dipped 2.7 percent over the year, although nonfarm payrolls advanced slightly. Gains in primary metals, notably basic steel production, spurred manufacturing, despite losses in transportation equipment and nonelectrical machinery. Nonmanufacturing was down fractionally from its year-ago level, as cutbacks in government, construction, and transportation were moderated by growth in services. Factory production workers averaged .3 hours more per week--and nearly $1 more per hour--in September 1981 than in September 1980. Their gross weekly earnings climbed $41 over the year.

For additional Labor Market Information, write
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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural wage and salary employment in the Akron area totaled 260,700, up 5,100 from August. Nonmanufacturing accounted for two-thirds of the gain, as schools and colleges added personnel for the new academic year. Manufacturing rose 1,500, to 77,000 for September, due largely to recalls in fabricated metals and nonelectrical machinery. Average hourly earnings for factory production workers rose 7¢ from August, to $9.67 in September. The average workweek decreased 1.0 hour, to 40.7 for the month.

Canton.--Workers on nonfarm payrolls in the Canton area numbered 156,800 in September, down marginally from August. Although manufacturing increased fractionally, to 56,200, nonmanufacturing employment slipped over the month, as declines in local government and construction were moderated by growth in services. Production workers in factories grossed $9.81 per hour, up slightly from August. The average workweek, at 39.6 hours, was on par with August.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment increased 5,700 from August, to 607,300 in September. Seasonal gains in education, retailing, and services boosted nonmanufacturing for most of the gain. Widespread small-to-moderate increases lifted manufacturing by 1,200, to 162,800 for the month. The workweek and hourly earnings of the average factory production worker, at 41.1 hours and $8.89 an hour, were .5 hours and 11¢ above August.

Cleveland.--Nonfarm employment in Cleveland totaled 899,100 in September, up 1,100 from August. Manufacturing increased 2,000, to 252,000 for the month, due chiefly to gains in durable-goods industries. Decreases in local government lowered nonmanufacturing, despite seasonal growth in retail trade and services. Earnings of factory production workers rose 5¢ from August, to $9.76 per hour. Their average workweek was little changed, at 41.1 hours in September.

Columbus.--Nonfarm establishments in Columbus employed 518,300 workers in September, up 3,500 from August. Manufacturing for the month was 94,100, up 1,000 from August, with gains concentrated among durable-goods industries. Seasonal expansion in education and retail trade lifted nonmanufacturing. The average workweek for factory production workers, at 40.1 hours in September, was .2 hours shorter. Their average hourly earnings rose 12¢, to $8.75 in September.

Dayton.--Dayton's nonagricultural wage and salary employment totaled 358,400 in September, up 7,600 from August. Much of the increase occurred in nonmanufacturing industries, as public schools and the service industries expanded seasonally. Manufacturing rose 2,200 for the month, to 101,300. Production workers in manufacturing industries grossed $9.72 per hour for a workweek of 41.4 hours, down 15¢ and .5 hours from August.

Toledo.--Nonfarm payroll employment in the Toledo area gained 4,600 from August, to 293,500 in September. Manufacturing was up 2,300, to 78,200 for the month. Recalls by producers of motor vehicles and equipment accounted for most of the increase. Expansion among public schools at the beginning of the academic year was responsible for the growth in nonmanufacturing. The average workweek of factory production workers increased .9 hours, to 41.2, while their hourly earnings rose 20¢, to $10.05.

Youngstown-Warren.--Nonagricultural establishments in the Youngstown-Warren area employed 202,600 wage and salary workers in September, up 5,300 from August. Much of the gain in manufacturing--up 3,000, to 69,600--was attributable to recalls of employees laid off for model-changeovers in motor vehicles and equipment. Seasonal gains in services and public schools lifted nonmanufacturing. The workweek for the average factory production worker was down .6 hours, to 41.2 hours. Average hourly earnings dipped 12¢, to $11.64 in September.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 10-15-81

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	507.3	854.6	403.1	331.4	263.1	195.5
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	246.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.9	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	246.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.6	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.0	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	517.3	364.9	305.3	213.9
1980	263.2	157.0	604.9	905.0	515.1	356.5	294.2	203.3
1980								
September	262.9	155.2	600.3	[illegible]	514.8	355.2	299.3	201.1
October .	263.3	155.7	609.1	903.4	523.6	359.2	298.1	200.1
November.	264.4	156.9	609.6	904.4	526.6	360.1	299.5	202.9
December.	263.7	156.3	610.6	907.1	526.0	361.0	299.7	199.1
1981								
January .	254.9	153.4	595.8	885.6	510.7	352.5	291.0	194.5
February.	256.4	153.0	596.9	881.2	509.8	352.4	287.4	192.8
March ...	258.1	154.2	599.0	896.9	513.6	355.8	292.1	194.9
April ...	260.7	155.8	607.7	895.2	517.9	357.6	295.7	199.7
May	262.5	156.3	610.5	900.4	521.0	358.0	298.0	203.4
June	257.6	157.1	613.0	906.9	522.7	357.4	299.4	204.3
July	255.4	156.6	602.9	901.0	514.2	351.5	290.3	200.8
August ..	255.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	260.7	156.8	607.9	899.1	510.9	358.4	293.5	202.6
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	96.4	62.4	169.5	296.8	102.2	128.3	89.4	86.1
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	55.6	164.3	255.0	96.7	99.9	74.9	70.5
1980								
September	77.6	53.8	162.6	248.2	95.9	98.0	76.0	68.2
October .	77.6	53.8	163.1	249.9	96.7	99.1	74.7	67.3
November.	78.8	54.4	164.2	252.5	96.6	99.7	76.5	69.3
December.	77.8	54.5	163.8	253.6	96.3	99.5	77.1	65.2
1981								
January .	75.8	54.7	163.2	251.4	95.3	98.9	75.3	65.2
February.	76.9	54.7	162.7	250.2	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	77.0	56.2	162.8	252.0	94.1	101.3	78.2	69.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1970	57.3	46.3	116.3	204.2	71.8	96.[illegible]	62.7	68.2
1971	5[illegible].8	43.2	111.5	187.4	68.8	82.9	60.6	70.6
1972	53.5	42.2	110.7	188.3	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.3	115.3	199.5	71.2	79.5	63.1	74.2
1975	46.4	40.5	106.3	176.0	64.2	70.7	55.1	63.3
1976	44.5	40.4	107.9	180.9	65.4	73.4	59.3	63.9
1977	49.2	41.1	112.7	184.[illegible]	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	73.5	64.1	65.5
1979	53.8[k]	43.2	117.0	188.6	69.1	74.4	61.3	62.5
1980	47.6	40.0	107.8	169.3	64.5	65.9	49.3	53.3
1980								
September	45.7	39.6	106.4	163.1	63.7	64.2	50.6	50.1
October .	46.1	38.6	107.3	164.6	63.7	65.9	49.9	51.5
November.	47.1	39.3	108.8	167.2	64.2	66.1	51.0	53.6
December.	46.1	39.5	108.0	168.1	63.8	65.8	51.5	49.2
1981								
January .	44.8	39.6	107.8	166.3	63.1	65.3	49.7	46.3
February.	45.8	39.5	107.4	165.2	62.3	65.3	47.3	47.3
March ...	46.6	39.8	106.7	164.7	62.4	66.2	49.9	50.1
April ...	46.7	39.9	107.1	165.7	62.0	66.2	50.7	53.3
May	46.2	39.9	106.9	165.9	62.4	66.4	50.7	53.2
June	45.9	40.5	107.6	167.0	62.3	66.1	51.0	53.2
July	44.6	40.8	105.7	166.5	61.3	65.6	49.3	52.1
August ..	44.2	40.5	105.8	164.3	60.8	64.8	50.1	50.1
September	45.7	41.0	107.2	166.5	61.7	66.9	52.4	52.9
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1970	40.7	40.3	40.8	40.3	40.2	40.9	41.1	40.0
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.7	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.5	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.3	41.5	42.2	40.1	42.3	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1980								
September	41.4	38.4	41.1	40.6	39.4	41.6	40.7	39.6
October .	41.9	38.3	41.1	40.7	39.4	41.9	41.7	39.8
November.	42.3	39.2	41.9	41.5	39.7	42.4	41.3	41.6
December.	42.5	40.4	42.6	42.6	40.4	43.1	41.7	41.7
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.7	40.8	41.5
February.	41.5	40.0	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.7	39.6	41.1	41.1	40.1	41.4	41.2	41.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
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Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1970	$4.04	$3.79	$3.62	$3.94	$3.51	$4.18	$3.91	$4.03
1971	4.36	4.09	3.89	4.15	[illegible]	4.43	4.26	4.46
1972	4.68	4.40	4.15	4.50	4.09	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.89	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.89	5.21	4.79	5.27	5.39	5.80
1975	5.60	5.64	5.19	5.53	5.18	5.79	5.80	6.39
1976	6.10	6.18	5.65	[illegible]	5.14	6.30	6.32	7.02
1977	6.75	6.80	6.27	6.84	5.80	[illegible]	7.00	7.76
1978	7.19	7.59	6.81	7.50	6.50	7.39	7.53	8.54
1979	7.73	8.39	7.31	[illegible]	7.16	[illegible]	8.14	9.27
1980	8.72	[illegible]	8.08	8.63	7.73	8.59	8.96	10.27
1980								
September	[illegible]	8.80	8.20	[illegible]	7.93	8.89	9.15	10.40
October .	9.05	8.81	8.20	[illegible]	[illegible]	9.13	9.42	10.78
November.	9.14	9.17	8.43	9.11	8.29	9.21	9.44	11.01
December.	9.15	9.29	8.52	9.32	8.29	9.31	9.56	11.26
1981								
January .	9.19	9.27	8.52	[illegible]	[illegible]	9.36	9.53	11.34
February.	9.22	9.55	8.33	9.31	8.30	9.25	9.56	11.49
March ...	9.31	9.61	8.58	9.40	8.30	9.39	9.65	11.56
April ...	9.36	9.67	8.50	9.49	8.45	9.47	9.66	11.62
May	9.50	9.67	8.68	9.50	8.47	9.52	9.71	11.58
June	9.59	9.76	8.67	9.76	8.57	[illegible]	9.91	11.67
July	9.57	9.73	8.71	9.64	8.51	9.66	9.85	11.61
August ..	9.60	9.78	8.78	9.71	8.63	9.87	9.88	11.76
September	9.67	9.81	8.89	9.76	8.78	9.75	10.05	11.64
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1970	$164.43	$152.33	$147.70	$154.75	$141.10	[illegible]	[illegible]	$161.20
1971	177.02	159.10	155.40	168.40	149.29	185.29	175.36	184.64
1972	197.73	181.80	173.89	190.35	164.02	201.48	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.58	215.99	226.94
1974	223.34	210.12	199.55	219.34	187.70	216.88	227.07	236.06
1975	232.63	222.02	211.75	227.45	205.13	230.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	220.16	271.38	262.28	277.29
1977	285.53	273.14	260.07	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.66	310.27	353.56
1979	321.57	334.88	309.97	337.60	282.71	336.84	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1980								
September	370.94	340.22	335.28	356.06	312.44	367.33	372.41	411.84
October .	386.32	340.49	340.31	362.23	317.36	382.55	392.81	429.04
November.	386.62	357.50	353.22	378.07	326.73	[illegible]	399.87	458.02
December.	388.88	375.32	362.95	397.03	334.51	401.26	398.65	469.54
1981								
January .	385.98	368.02	355.28	381.51	331.63	398.64	398.82	470.61
February.	382.69	382.00	349.73	381.71	329.51	379.25	380.95	464.06
March ...	390.09	386.88	352.64	389.16	333.56	388.75	397.58	471.65
April ...	394.06	386.80	350.47	392.64	335.47	401.94	394.13	479.91
May	402.80	387.77	359.35	398.94	337.95	397.34	400.05	472.46
June	404.07	394.30	358.07	411.74	341.34	413.10	409.28	483.14
July	400.98	387.25	356.24	392.35	335.29	401.86	397.94	470.21
August ..	400.32	387.29	356.47	400.05	347.79	413.55	396.96	491.57
September	393.57	388.48	365.38	401.14	350.88	402.41	414.06	479.57

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

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Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
August	309.4	282.4	27.1	8.7	August	192.7	173.1	19.6	10.2
September ..	309.4	281.4	28.0	9.0	September .	190.3	170.3	20.0	10.5
October	309.2	282.8	26.4	8.5	October ...	190.1	172.3	17.8	9.4
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August[p]	304.7	274.6	30.2	9.9	August[p] ...	189.5	172.1	17.4	9.2
CINCINNATI[d]					CLEVELAND[e]				
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.0	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
August	687.9	637.3	50.6	7.3	August	969.4	893.1	76.3	7.9
September ..	688.7	637.4	51.3	7.5	September .	959.6	882.5	77.2	8.0
October	691.9	642.3	49.7	7.2	October ...	958.2	887.0	71.2	7.4
November ...	679.9	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August[p]	696.2	638.9	57.3	8.2	August[p] ...	961.9	881.5	80.5	8.4

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1970	433.5	415.4	18.1	4.2
1971	445.4	425.5	19.9	4.5
1972	469.1	450.2	18.9	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.7	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	529.4	504.6	24.8	4.7
1979	540.9	515.1	25.7	4.8
1980	557.4	525.8	31.6	5.7
1980				
August	570.2	535.2	35.0	6.1
September ..	567.2	532.6	34.6	6.1
October	578.5	544.6	33.9	5.9
November ...	571.2	532.4	38.8	6.8
December ...	557.9	524.4	33.6	6.0
1981				
January	550.4	508.2	42.2	7.7
February ...	548.2	506.5	41.6	7.6
March	562.0	520.9	41.1	7.3
April	566.6	532.5	34.1	6.0
May	578.5	540.8	37.6	6.5
June	577.1	536.2	40.9	7.1
July	583.7	538.0	45.8	7.8
August[p]	579.5	534.7	44.8	7.7

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1970	353.8	337.6	16.2	4.6
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	379.6	362.3	17.3	4.6
1979	390.6	366.5	24.1	6.2
1980	389.0	359.8	29.2	7.5
1980				
August	393.4	362.5	31.0	7.9
September .	396.0	364.7	31.3	7.9
October ...	398.3	370.1	28.2	7.1
November ..	390.8	360.8	30.0	7.7
December ..	384.2	356.6	27.5	7.2
1981				
January ...	379.5	347.5	32.0	8.4
February ..	377.8	347.3	30.5	8.1
March	387.5	357.5	30.0	7.8
April	389.1	364.3	24.8	6.4
May	397.2	369.4	27.8	7.0
June	393.7	364.0	29.7	7.5
July	399.2	364.1	35.1	8.8
August[p] ...	394.9	361.0	33.9	8.6

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
TOLEDO[h]				
1970	315.8	298.4	17.4	5.5
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	361.2	338.8	22.4	6.2
1979	366.4	340.1	26.3	7.2
1980	367.5	329.3	38.2	10.4
1980				
August	372.3	333.8	38.5	10.3
September ..	370.5	332.8	37.7	10.2
October	374.6	338.4	36.2	9.7
November ...	370.8	331.8	39.0	10.5
December ...	364.2	327.9	36.3	10.0
1981				
January	357.9	317.8	40.1	11.2
February ...	356.8	313.8	43.0	12.1
March	364.6	324.6	40.0	11.0
April	365.9	333.8	32.1	8.8
May	373.9	340.2	33.8	9.0
June	374.1	339.3	34.7	9.3
July	375.1	335.4	39.6	10.6
August[p]	373.0	332.9	40.1	10.8

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
YOUNGSTOWN-WARREN[i]				
1970	218.5	205.1	13.4	6.1
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	234.5	216.6	17.7	7.5
1979	236.2	219.1	17.1	7.2
1980	237.5	209.5	28.0	11.8
1980				
August	240.4	210.2	30.2	12.6
September .	242.1	210.9	31.2	12.9
October ...	241.5	214.0	27.5	11.4
November ..	236.5	207.3	29.2	12.4
December ..	230.8	200.8	29.9	13.0
1981				
January ...	231.4	195.8	35.6	15.4
February ..	228.3	193.8	34.5	15.1
March	228.4	200.8	27.6	12.1
April	229.5	208.3	21.1	9.2
May	234.1	213.1	21.0	9.0
June	233.5	211.5	22.0	9.4
July	237.1	211.8	25.3	10.7
August[p] ...	234.3	206.8	27.5	11.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,289	420	9.1	8.5
1976	4,737	4,377	360	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
September	5,180	4,719	461	8.9	7.2
October .	5,208	4,714	493	9.5	7.2
November.	5,112	4,649	463	9.1	7.1
December.	5,094	4,574	[illegible]	[illegible]	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,731	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,199	4,712	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	[illegible]	[illegible]	[illegible]
1971	[illegible]	1,333.[illegible]	[illegible]
1972	[illegible]	1,346.[illegible]	[illegible]
1973	4,116.[illegible]	[illegible]	[illegible]
1974	[illegible]	1,414.7	[illegible]
1975	[illegible]	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]
1979	[illegible]	[illegible]	[illegible]
1980	[illegible]	[illegible]	3,153.4
1980			
September	[illegible]	[illegible]	[illegible]
October .	[illegible]	[illegible]	[illegible]
November.	[illegible]	[illegible]	[illegible]
December.	[illegible]	[illegible]	[illegible]
1981			
January .	[illegible]	[illegible]	[illegible]
February.	[illegible]	[illegible]	[illegible]
March ...	[illegible]	[illegible]	[illegible]
April ...	[illegible]	[illegible]	3,114.0
May	[illegible]	[illegible]	3,145.9
June	[illegible]	[illegible]	3,161.7
July	[illegible]	[illegible]	[illegible]
August ..	[illegible]	[illegible]	3,116.3
September	[illegible]	[illegible]	[illegible]

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	21.6	164.2	225.6	175.6	566.1	154.2	[illegible]	555.5
1971	25.8	155.8	223.0	176.3	597.9	158.6	567.4	577.8
1972	22.7	165.1	222.9	179.6	626.7	163.9	612.7	594.1
1973	22.9	175.5	224.9	197.7	654.9	[illegible]	[illegible]	597.8
1974	24.2	172.3	227.4	205.7	668.1	171.9	645.1	615.1
1975	26.8	154.9	219.2	203.5	664.5	173.1	646.5	626.4
1976	28.2	154.3	213.7	208.4	682.4	[illegible]	[illegible]	632.7
1977	29.1	162.8	219.1	214.6	709.1	185.4	731.4	642.3
1978	29.0	176.6	225.0	[illegible]	730.4	191.1	772.1	667.8
1979	31.6	183.5	232.1	232.8	742.4	202.6	805.6	[illegible]
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	[illegible]
1980								
September	31.1	195.2	226.7	228.5	743.9	207.8	840.7	667.9
October .	30.8	193.0	225.7	228.0	742.3	205.9	841.0	[illegible]
November.	31.3	187.7	224.9	228.6	751.6	206.4	835.5	[illegible]
December.	31.0	174.6	224.0	228.4	766.3	207.2	835.9	709.9
1981								
January .	30.8	150.2	217.9	222.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	632.7
September	31.4	180.4	222.2	228.4	744.4	209.6	871.2	649.7

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,409.9	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.8	936.1	397.7	939.1	160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,016.2	410.1	1,046.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	891.3	201.9	36.2
1976	1,295.3	910.7	384.6	922.7	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.6	302.5	41.5
1979	1,392.3	990.5	401.8	979.0	318.5	40.6
1980	1,267.5	885.2	382.3	869.7	302.8	35.3
1980						
September	1,250.8	868.8	382.0	856.5	304.7	34.9
October .	1,247.3	867.6	379.7	854.6	310.3	34.9
November.	1,261.2	881.4	379.8	869.2	325.7	36.0
December.	1,253.3	874.7	378.6	861.2	333.2	36.9
1981						
January .	1,239.9	864.3	375.6	848.5	319.8	34.9
February.	1,237.1	862.9	374.2	845.7	316.6	34.3
March ...	1,247.7	873.9	373.7	856.5	326.8	35.0
April ...	1,256.5	881.4	375.1	865.4	334.9	35.5
May	1,256.4	881.2	375.2	865.9	338.4	35.7
June	1,261.2	884.6	376.6	869.0	345.4	36.0
July	1,247.2	872.9	374.3	854.9	331.6	34.7
August ..	1,242.7	866.2	376.5	850.8	335.1	34.8
September	1,258.9	877.7	381.2	866.7	344.0	35.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	158.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980									
September	355.72	368.02	327.65	40.7	40.8	40.6	8.74	9.01	8.09
October .	363.53	375.46	331.27	40.8	40.9	40.4	8.90	9.17	8.22
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	364.49	41.0	40.9	41.0	9.68	9.99	8.89

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED [illegible] MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electrical & Electronic Equipment	Transportation Equipment	[illegible]	[illegible]	[illegible]
	EMPLOYMENT (in thousands)								
1970	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1971	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1972	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1973	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1974	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1975	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1979	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980									
September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
October .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
November.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
December.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1981									
January .	[illegible]	133.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
February.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	139.4	[illegible]	[illegible]	[illegible]
March ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	141.2	[illegible]	[illegible]	[illegible]
April ...	53.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	141.8	[illegible]	[illegible]	[illegible]
June	54.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
July	53.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
August ..	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]	134.3	[illegible]	[illegible]	[illegible]	[illegible]
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$140.98	[illegible]	[illegible]	[illegible]	[illegible]	$175.09	$156.31	[illegible]	$154.54
1971	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1972	176.15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1973	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	241.71	[illegible]	[illegible]	[illegible]
1974	194.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1975	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]	259.31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	258.64	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1979	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980	315.43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980									
September	317.30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	326.03	[illegible]
October .	332.03	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	328.27	[illegible]
November.	339.87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	336.40	[illegible]
December.	[illegible]	470.43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	344.71	[illegible]
1981									
January .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	450.44	[illegible]	336.93	358.11
February.	[illegible]	[illegible]	[illegible]	[illegible]	343.45	[illegible]	[illegible]	334.63	[illegible]
March ...	334.14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	329.17	[illegible]
April ...	[illegible]	[illegible]	[illegible]	[illegible]	354.36	[illegible]	355.89	337.42	373.71
May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	466.35	[illegible]	344.42	366.80
June	[illegible]	[illegible]	379.29	[illegible]	359.51	[illegible]	357.62	348.91	375.84
July	[illegible]	[illegible]	384.71	[illegible]	[illegible]	[illegible]	360.41	346.34	[illegible]
August ..	353.42	485.48	387.03	[illegible]	[illegible]	488.02	361.84	351.16	372.69
September	355.37	500.35	384.16	[illegible]	364.10	481.32	[illegible]	364.98	361.58

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	[illegible]	[illegible]	4390.6	.4	.1
MANUFACTURING	1258.9	1242.7	1250.8	1.3	.7
Durable Goods[e]	877.7	866.2	868.0	1.3	1.1
Lumber and wood products	13.6	13.5	13.5	.2	.7
Furniture and fixtures	15.4	15.1	15.1	2.1	1.6
Household furniture	7.3	7.1	6.8	3.1	7.6
Stone, clay, and glass products	64.0	64.0	64.8	- .1	- 1.2
Glass and glassware, pressed or blown	15.1	14.8	15.2	2.1	- .2
Structural clay products	6.7	6.7	6.7	.3	- .4
Pottery and related products	6.7	6.7	7.1	.2	- 5.1
Primary metal industries	142.4	140.5	131.9	1.4	8.0
Blast furnace and basic steel products	73.6	74.0	67.2	- .6	9.6
Iron and steel foundries	29.4	27.8	26.6	5.4	10.3
Nonferrous rolling and drawing	20.4	19.6	19.7	4.0	3.4
Nonferrous foundries	10.4	10.4	10.3	- .1	1.1
Fabricated metal products	155.0	153.4	153.0	1.1	1.3
Cutlery, hand tools, and hardware	13.4	13.2	13.4	1.5	.1
Plumbing and heating, except electric	6.0	5.9	5.6	1.5	6.8
Fabricated structural metal products	34.9	34.7	37.6	.6	- 7.2
Screw machine products, bolts, etc.	11.0	11.0	10.5	- .1	4.3
Metal forgings and stampings	44.0	42.6	41.9	3.3	5.0
Machinery, except electrical	205.7	204.1	208.5	.8	- 1.3
Construction and related machinery	26.1	25.8	25.4	1.0	2.4
Metalworking machinery	54.2	54.0	57.3	.4	- 5.3
Special industry machinery	22.7	23.0	24.1	- 1.0	- 5.5
General industrial machinery	38.1	37.7	38.8	1.0	- 1.8
Electric and electronic equipment	107.3	106.6	105.1	.7	2.1
Electrical industrial apparatus	25.5	25.1	24.1	1.5	5.8
Household appliances	21.9	22.1	19.4	- .8	13.1
Electric lighting and wiring equipment	20.4	20.2	20.3	1.0	.3
Communication equipment	11.7	11.7	12.7	.1	- 8.2
Transportation equipment	138.0	133.0	141.5	3.7	- 2.5
Motor vehicles and equipment	92.0	87.5	92.5	5.1	- .6
Aircraft and parts	36.5	36.2	38.7	.8	- 5.7
Instruments and related products	21.3	21.2	20.0	.3	6.6
Measuring and controlling devices	12.9	13.0	12.0	- .6	7.2
Nondurable Goods[f]	381.2	376.5	382.8	1.3	- .4
Food and kindred products	73.9	71.8	76.6	3.0	- 3.5
Meat products	11.5	11.6	12.3	- .8	- 6.2
Dairy products	11.8	11.9	12.2	- .4	- 2.9
Bakery products	11.3	11.2	12.8	1.3	- 11.7
Beverages	11.1	11.2	11.4	- 1.1	- 2.6
Textile mill products	5.2	5.1	5.2	2.0	- .5
Apparel and other textile products	17.3	17.0	17.1	2.0	1.2
Paper and allied products	39.2	38.9	38.6	.9	1.5
Paper mills, except building paper	10.3	10.3	10.1	- .3	2.5
Misc. converted paper products	11.8	11.8	11.9	.3	- .6
Paperboard containers and boxes	13.6	13.4	13.3	1.7	1.8
Printing and publishing	67.7	67.1	67.7	.9	.0
Newspapers	20.0	19.8	19.8	.7	.9
Commercial printing	26.4	26.0	26.6	1.4	- 1.0
Chemicals and allied products	68.9	68.8	67.8	.1	1.6
Industrial inorganic chemicals	13.2	13.2	13.0	.2	1.7
Plastics materials and synthetics	9.8	9.7	9.7	.6	1.0
Petroleum and coal products	13.1	13.0	13.6	.1	- 4.2
Rubber and misc. plastics products	90.1	88.9	90.2	1.3	- .1
Tires and inner tubes	24.1	24.0	25.9	.4	- 6.7
Miscellaneous plastics products	44.0	43.6	44.0	.9	.0
Leather and leather products	5.7	5.7	5.7	- .8	- 1.3

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	[illegible]	[illegible]	$355.72	[illegible]	[illegible]	[illegible]	$ 9.68	$ 9.69	$ 8.74
Durable Goods[d]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.8	9.99	9.92	9.02
Lumber and wood products	266.11	[illegible]	241.64	39.6	39.2	39.1	6.72	6.60	6.18
Furniture and fixtures	[illegible]	[illegible]	259.88	39.7	38.7	38.5	7.10	7.08	6.75
Household furniture	[illegible]	241.04	231.00	38.5	37.9	37.5	6.44	6.36	6.16
Stone, clay, and glass products	355.37	353.42	317.30	40.8	41.0	40.6	8.71	8.62	7.89
Glass and glassware, pressed or blown	367.35	363.41	317.58	39.8	40.2	39.5	9.23	9.04	8.04
Structural clay products	272.45	276.76	256.16	40.0	40.7	39.9	6.81	6.80	6.42
Pottery and related products	267.14	277.02	246.05	37.0	[illegible]	37.0	7.22	7.23	6.65
Primary metal industries	500.35	485.48	429.24	41.8	[illegible]	40.4	11.97	11.87	10.60
Blast furnace and basic steel products	548.52	529.61	463.91	42.0	40.6	40.2	13.06	13.02	11.54
Iron and steel foundries	441.14	440.08	369.33	[illegible]	41.4	39.5	10.94	10.63	9.35
Nonferrous rolling and drawing	481.11	470.00	435.20	40.2	[illegible]	40.0	11.97	11.75	10.88
Nonferrous foundries	[illegible]	327.16	305.80	41.2	[illegible]	[illegible]	8.25	8.22	7.72
Fabricated metal products	384.16	387.03	364.01	40.1	40.4	40.4	9.58	9.58	9.09
Cutlery, hand tools, and hardware	387.20	[illegible]	354.38	40.0	39.8	37.5	9.68	9.72	9.45
Plumbing and heating, except electric	298.76	[illegible]	271.90	38.7	37.3	37.4	7.72	7.78	7.27
Fabricated structural metal products	[illegible]	[illegible]	323.95	39.2	39.2	39.7	8.68	8.72	8.16
Screw machine products, bolts, etc.	349.16	[illegible]	304.51	39.1	40.9	38.4	8.93	8.87	7.93
Metal forgings and stampings	455.94	475.21	459.78	40.6	41.6	41.9	11.23	11.32	10.89
Machinery, except electrical	392.09	[illegible]	355.63	41.1	[illegible]	41.4	9.54	9.50	8.59
Construction and related machinery	384.54	389.13	350.88	40.3	41.5	40.1	9.70	9.46	8.75
Metalworking machinery	[illegible]	[illegible]	362.25	41.3	[illegible]	41.4	9.45	9.41	8.75
Special industry machinery	368.46	377.32	332.22	41.4	[illegible]	[illegible]	8.90	8.89	7.91
General industrial machinery	384.31	385.12	350.33	[illegible]	[illegible]	40.5	9.56	9.58	8.65
Electric and electronic equipment	364.10	364.67	326.84	40.5	40.7	40.5	8.99	8.96	8.07
Electrical industrial apparatus	371.03	365.37	321.15	42.5	[illegible]	40.6	8.73	8.72	7.91
Household appliances	390.57	392.23	328.43	40.6	[illegible]	40.2	9.62	9.59	8.17
Electric lighting and wiring equipment	328.32	328.40	306.86	39.7	40.0	39.8	8.27	8.21	7.71
Communication equipment	411.03	403.79	363.01	40.1	39.9	39.5	10.25	10.12	9.19
Transportation equipment	481.32	488.92	429.93	42.0	42.7	41.7	11.46	11.45	10.31
Motor vehicles and equipment	506.60	519.71	446.01	42.5	43.6	41.8	11.92	11.92	10.67
Aircraft and parts	412.85	413.88	402.41	40.2	40.3	41.7	10.27	10.27	9.65
Instruments and related products	272.05	270.18	248.44	39.2	39.5	40.2	6.94	6.84	6.18
Measuring and controlling devices	278.08	275.31	252.53	39.5	39.9	40.6	7.04	6.90	6.22
Nondurable Goods[e]	364.49	360.45	327.65	41.0	40.5	40.5	8.89	8.90	8.09
Food and kindred products	378.00	361.84	334.48	43.2	41.4	42.5	8.75	8.74	7.87
Meat products	428.67	406.13	379.43	43.3	41.4	42.3	9.90	9.81	8.97
Dairy products	358.22	340.65	336.27	42.9	41.9	43.9	8.35	8.13	7.66
Bakery products	365.44	360.80	319.20	41.2	41.0	39.9	8.87	8.80	8.00
Beverages	340.66	320.00	299.63	40.7	39.9	40.6	8.37	8.02	7.38
Textile mill products	264.31	269.47	234.99	40.6	40.1	39.1	6.51	6.72	6.01
Apparel and other textile products	203.86	204.59	186.95	36.6	36.6	36.3	5.57	5.59	5.15
Paper and allied products	383.67	383.21	341.99	44.1	44.2	43.4	8.70	8.67	7.88
Paper mills, except building paper	495.51	475.71	437.66	49.7	48.1	48.2	9.97	9.89	9.08
Misc. converted paper products	326.19	329.43	289.48	41.5	41.7	40.6	7.86	7.90	7.13
Paperboard containers and boxes	336.13	345.02	311.54	41.6	42.7	42.1	8.08	8.08	7.40
Printing and publishing	364.98	351.16	326.63	38.5	37.8	37.5	9.48	9.29	8.71
Newspapers	355.12	323.57	309.12	36.2	33.6	33.6	9.81	9.63	9.20
Commercial printing	385.14	374.19	342.27	39.1	39.1	38.5	9.85	9.57	8.89
Chemicals and allied products	389.91	381.10	343.40	41.0	40.2	40.4	9.51	9.48	8.50
Industrial inorganic chemicals	432.78	435.55	389.46	41.1	41.6	41.3	10.53	10.47	9.43
Plastics materials and synthetics	416.09	393.41	369.15	42.2	39.9	41.2	9.86	9.86	8.96
Petroleum and coal products	521.86	527.54	517.05	43.2	43.1	45.0	12.08	12.24	11.49
Rubber and misc. plastics products	361.58	372.69	330.86	40.4	41.0	40.3	8.95	9.09	8.21
Tires and inner tubes	508.15	524.18	430.77	42.1	43.5	41.5	12.07	12.05	10.38
Miscellaneous plastics products	343.60	354.97	317.60	40.0	40.2	39.8	8.59	8.83	7.98
Leather and leather products	184.18	179.52	167.54	36.4	35.2	36.5	5.06	5.10	4.59

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
NONMANUFACTURING	3137.2	3112.3	3139.5	.8	- .1
MINING	31.4	31.3	31.1	.1	.8
Bituminous coal and lignite mining	14.8	14.7	15.6	1.0	- 4.9
CONSTRUCTION	180.4	182.1	195.2	- .9	- 7.6
General building contractors	44.6	45.3	49.5	- 1.5	- 9.9
Heavy construction contractors	27.4	27.6	29.3	- .4	- 6.5
TRANSPORTATION AND PUBLIC UTILITIES	222.2	221.3	226.7	.4	- 2.0
Railroad transportation	28.3	28.2	29.7	.1	- 4.8
Transportation, except railroads	98.1	97.0	101.4	1.1	- 3.2
Trucking and warehousing	74.2	72.9	77.1	1.8	- 3.7
Communication, electric, gas services	95.8	96.1	95.7	- .3	.1
Communication	54.7	54.7	54.5	- .1	.3
Electric, gas, and sanitary services	41.1	41.3	41.2	- .5	- .1
WHOLESALE TRADE	228.4	228.7	228.5	- .1	.0
Wholesale trade-durable goods	146.2	146.5	147.2	- .2	- .6
Motor vehicles & automotive equipment	20.0	20.1	21.2	- .5	- 6.0
Electrical goods	18.6	18.6	18.6	.0	- .1
Machinery, equipment, and supplies	63.3	63.4	62.3	- .2	1.5
Wholesale trade-nondurable goods	82.2	82.2	81.3	.0	1.0
Groceries and related products	24.0	23.9	23.7	.1	1.2
RETAIL TRADE	744.4	740.6	743.3	.5	.2
General merchandise stores	117.9	115.9	120.8	1.7	- 2.4
Department stores	108.0	106.2	110.3	1.7	- 2.1
Food stores	119.8	119.3	119.8	.4	.0
Automotive dealers & service stations	74.6	75.0	79.1	- .6	- 5.8
Apparel and accessory stores	35.8	35.3	36.1	1.4	- .8
FINANCE, INSURANCE, AND REAL ESTATE	209.6	210.5	207.0	- .4	1.2
Banking	59.2	59.7	58.9	- .8	.4
Credit agencies other than banks	30.4	30.5	30.6	- .5	- .7
Insurance carriers	59.3	59.6	58.8	- .5	.8
SERVICES	871.2	865.2	840.7	.7	3.6
Hotels and other lodging places	30.5	32.0	31.5	- 4.7	- 3.1
Laundry, cleaning, & garment services	17.5	17.3	18.0	1.3	- 2.9
Business services	125.3	125.1	121.3	.2	3.4
Health services	299.7	299.3	284.2	.1	5.5
Hospitals	167.0	167.2	159.8	- .1	4.5
GOVERNMENT	649.7	632.7	667.3	2.7	- 2.6
Federal government	88.5	89.2	90.0	- .7	- 1.7
State government	127.8	123.6	129.6	3.4	- 1.4
State government, except education	70.9	72.7	71.8	- 2.4	- 1.3
State government education	56.8	50.9	57.8	11.7	- 1.6
Local government	433.4	419.9	447.6	3.2	- 3.2
Local government, except education	188.3	196.4	195.8	- 4.1	- 3.8
Local government education	245.1	223.5	251.8	9.7	- 2.7

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1981 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$[illegible]	$[illegible]	$401.52	42.[illegible]	43.1	42.[illegible]	$10.90	$10.37	$ 9.56
Bituminous coal and lignite mining	[illegible]	[illegible]	445.01	41.[illegible]	41.4	40.2	12.49	12.48	11.07
CONSTRUCTION	[illegible]	[illegible]	491.10	35.3	38.1	38.[illegible]	13.78	13.72	12.69
General building contractors	[illegible]	[illegible]	447.90	35.3	37.2	37.[illegible]	12.89	12.83	11.93
Heavy construction contractors	[illegible]	530.02	507.59	[illegible]	38.1	40.7	13.43	13.24	12.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	[illegible]	451.06	418.43	[illegible]	38.0	38.6	11.84	11.87	10.84
Communication, electric, gas services	[illegible]	414.73	368.81	41.7	40.[illegible]	41.3	10.22	10.14	8.93
Communication	[illegible]	410.40	353.33	[illegible]	40.7	40.[illegible]	10.31	10.28	8.66
Electric, gas, and sanitary services	[illegible]	[illegible]	389.94	41.[illegible]	41.1	40.[illegible]	10.11	9.96	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	279.[illegible]	[illegible]	39.1	39.1	7.74	7.68	7.15
Wholesale trade—durable goods	[illegible]	[illegible]	275.10	39.2	39.0	39.[illegible]	7.55	7.50	7.02
Motor vehicles & automotive equipment	[illegible]	[illegible]	268.23	39.5	39.[illegible]	39.1	7.11	7.07	6.86
Electrical goods	245.[illegible]	[illegible]	234.[illegible]	37.3	37.5	38.5	6.57	[illegible]	6.08
Machinery, equipment, and supplies	[illegible]	[illegible]	286.[illegible]	39.1	39.4	39.3	7.89	7.89	7.30
Wholesale trade—nondurable goods	309.80	300.[illegible]	286.38	38.4	38.3	38.[illegible]	8.07	[illegible]	7.40
Groceries and related products	348.12	347.52	324.48	41.[illegible]	41.2	41.6	8.47	8.43	7.80
RETAIL TRADE[f]	[illegible]	151.17	146.35	29.4	[illegible]	30.3	5.17	[illegible]	4.83
General merchandise stores	157.47	154.13	144.74	30.4	30.4	30.[illegible]	5.18	5.07	4.73
Department stores	159.73	156.16	146.57	30.[illegible]	30.5	30.6	5.22	5.12	4.79
Food stores	234.1[illegible]	231.04	219.74	33.3	33.1	33.[illegible]	7.03	6.98	6.54
Automotive dealers & service stations	[illegible]	[illegible]	194.02	37.2	37.6	37.6	5.34	5.30	5.16
Apparel and accessory stores	111.52	110.84	104.94	27.4	27.1	[illegible]	4.07	[illegible]	3.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	186.60	186.56	174.10	....	....	....	....	....	....
Credit agencies other than banks	196.82	193.74	179.99	....	....	....	....	....	....
Insurance carriers	255.23	254.32	232.22	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	244.84	242.76	220.89	34.1	34.0	34.3	7.18	7.14	6.44
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[h]	September 1980[c]	August 1981	September 1980
TOTAL	260.7	255.6	262.9	2.0	- .8
MANUFACTURING	77.0	75.5	77.6	2.0	- .7
Durable Goods[e]	39.3	38.2	38.1	2.8	3.2
Stone, clay, and glass products	2.2	2.2	2.1	- .1	3.6
Fabricated metal products	15.3	14.8	15.2	3.6	1.2
Machinery, except electrical	11.5	10.9	10.9	5.0	5.7
Special industry machinery	2.3	2.3	2.3	- .5	- 2.9
Nondurable Goods[f]	37.8	37.3	39.5	1.3	- 4.4
Food and kindred products	2.5	2.6	3.2	- 2.0	- 21.3
Chemicals and allied products	3.6	3.3	3.5	8.0	3.1
Rubber and misc. plastics products	26.3	26.1	27.7	.8	- 4.8
Tires and inner tubes	19.9	19.8	21.6	.5	- 7.8
NONMANUFACTURING[g]	183.7	180.2	185.4	2.0	- .9
CONSTRUCTION	8.3	8.3	9.1	- .6	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.6	14.2	.7	- 3.3
Communication, electric, gas services	5.5	5.5	5.4	.1	2.6
WHOLESALE TRADE	11.8	11.8	11.7	.1	.8
RETAIL TRADE	44.7	44.6	45.6	.3	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.2	9.3	- .7	- 1.6
SERVICES	53.0	53.6	51.5	- 1.0	3.1
GOVERNMENT	42.5	38.6	43.6	10.1	- 2.5
State government (includes education)	12.7	9.7	13.3	30.9	- 4.4
Local government (includes education)	27.8	26.9	28.3	3.4	- 1.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products, paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	[illegible]	[illegible]	$370.94	[illegible]	[illegible]	41.4	$ 9.67	$ 9.60	$ 8.96
Durable Goods[d]	372.13	373.93	364.62	40.1	40.6	41.2	9.28	9.21	8.85
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	41.3	41.9	8.98	8.87	8.10
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	38.4	40.1	9.48	[illegible]	9.50
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.1	9.08	8.84	8.24
Special industry machinery	361.67	365.43	303.40	42.7	43.4	38.6	8.47	8.42	7.86
Nondurable Goods[e]	421.82	[illegible]	378.56	41.6	43.1	41.6	10.14	10.09	9.10
Food and kindred products	[illegible]	[illegible]	374.01	[illegible]	[illegible]	45.5	[illegible]	8.54	8.22
Chemicals and allied products	[illegible]	[illegible]	390.17	[illegible]	45.3	43.4	9.61	9.68	8.99
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	43.5	41.7	10.60	10.57	9.40
Tires and inner tubes	[illegible]	[illegible]	[illegible]	42.2	44.4	41.8	[illegible]	12.62	10.85
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	476.20	[illegible]	[illegible]	35.3	[illegible]	39.5	13.49	13.38	13.00
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	423.12	[illegible]	[illegible]	41.2	[illegible]	[illegible]	10.27	10.20	8.85
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.25	6.85
RETAIL TRADE[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.46	5.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	156.8	156.8	155.2	- .1	1.0
MANUFACTURING	56.2	56.1	53.8	.2	4.4
Durable Goods[e]	44.3	44.1	41.8	.5	5.9
Stone, clay, and glass products	2.3	2.3	2.3	1.3	1.0
Primary metal industries	15.0	14.9	13.1	.3	14.7
Fabricated metal products	9.7	9.6	9.7	1.7	.5
Fabricated structural metal products	3.4	3.4	3.7	.4	- 8.1
Metal forgings and stampings	2.9	2.8	2.7	5.2	10.0
Nondurable Goods[f]	11.9	12.0	12.0	- 1.0	- 1.1
Food and kindred products	4.0	4.2	4.3	- 4.2	- 5.6
Rubber and misc. plastics products	3.3	3.2	3.0	2.6	8.8
NONMANUFACTURING[g]	100.6	100.8	101.4	- .2	- .8
CONSTRUCTION	5.4	5.6	5.9	- 2.8	- 8.3
TRANSPORTATION AND PUBLIC UTILITIES	7.1	7.1	7.3	.3	- 3.0
Communication, electric, gas services	3.0	3.0	3.1	- .2	- 1.1
WHOLESALE TRADE	7.2	7.1	7.1	.2	1.3
RETAIL TRADE	26.2	26.2	26.2	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.3	.2	3.3
SERVICES	30.0	29.8	29.1	.7	2.9
GOVERNMENT	17.2	17.5	18.3	- 1.6	- 5.9
Local government (includes education)	14.1	14.3	15.0	- 2.0	- 6.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$388.48	$387.29	$340.22	39.6	39.6	38.4	$ 9.81	$ 9.78	$ 8.86
Durable Goods[d]	390.61	393.03	343.66	39.1	39.5	38.1	9.99	9.95	9.02
Stone, clay, and glass products	264.31	259.49	231.95	40.6	40.6	40.2	6.51	6.39	5.77
Primary metal industries	448.92	452.80	385.76	38.6	38.9	36.6	11.63	11.64	10.54
Fabricated metal products	397.32	407.23	368.77	39.3	40.4	38.9	10.11	10.08	9.48
Fabricated structural metal products	340.58	366.20	328.75	37.8	41.1	37.4	9.01	8.91	8.79
Metal forgings and stampings	484.98	495.87	420.62	41.1	41.6	39.2	11.80	11.92	10.73
Nondurable Goods[e]	370.15	360.87	327.53	40.9	39.7	39.7	9.05	9.09	8.25
Food and kindred products	429.50	397.55	364.05	41.1	38.3	39.7	10.45	10.38	9.17
Rubber and misc. plastics products	382.10	384.79	338.48	44.9	44.9	42.1	8.51	8.57	8.04
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	497.65	544.96	466.80	36.7	40.1	38.9	13.56	13.59	12.00
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.27	435.14	402.75	41.7	41.6	43.4	10.51	10.46	9.28
WHOLESALE TRADE	269.28	282.80	273.85	37.4	38.9	38.3	7.20	7.27	7.15
RETAIL TRADE[f]	145.29	144.85	138.44	29.0	29.5	29.9	5.01	4.91	4.63
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	607.3	601.6	606.3	.9	.2
MANUFACTURING	162.8	161.6	162.6	.7	.1
Durable Goods[e]	90.5	90.0	90.0	.6	.6
Furniture and fixtures	2.6	2.5	3.0	6.0	- 11.7
Primary metal industries	2.6	2.6	2.4	.3	11.2
Fabricated metal products	15.0	15.0	14.4	.4	4.1
Fabricated structural metal products	5.1	5.0	5.3	1.2	- 3.7
Machinery, except electrical	26.0	26.0	26.2	.1	- .9
Metalworking machinery	13.3	13.4	13.6	- .5	- 2.0
General industrial machinery	3.8	3.9	4.0	- 2.5	- 5.7
Electric and electronic equipment	9.3	9.3	8.7	- .6	6.4
Transportation equipment	23.4	23.3	24.2	.5	- 3.6
Motor vehicles and equipment	7.5	7.2	7.8	4.0	- 4.5
Nondurable Goods[f]	72.3	71.7	72.6	.8	- .5
Food and kindred products	16.4	16.3	17.3	.1	- 5.3
Meat products	2.1	2.1	2.4	- 3.7	- 13.8
Bakery products	2.5	2.4	2.9	6.2	- 13.1
Beverages	5.0	5.2	5.3	- 3.5	- 5.7
Apparel and other textile products	4.6	4.5	4.1	1.7	10.2
Paper and allied products	7.3	7.2	6.9	1.9	6.2
Printing and publishing	12.1	12.0	12.4	1.2	- 2.2
Chemicals and allied products	22.8	22.8	22.4	.2	1.9
Rubber and misc. plastics products	4.6	4.6	4.6	.7	1.4
NONMANUFACTURING[g]	444.5	440.0	443.7	1.0	.2
CONSTRUCTION	26.9	27.0	28.5	- .4	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	33.5	33.3	34.0	.5	- 1.6
Communication, electric, gas services	14.1	14.2	14.2	- .4	- .7
WHOLESALE TRADE	39.0	39.0	38.2	.1	2.3
RETAIL TRADE	104.2	103.1	103.6	1.0	.5
FINANCE, INSURANCE, AND REAL ESTATE	33.6	33.8	33.2	- .7	1.3
Banking	7.4	7.5	7.4	- 1.3	- .8
Insurance carriers	11.7	11.8	11.3	- .3	3.7
SERVICES	128.9	127.8	123.2	.9	4.6
GOVERNMENT	78.1	75.6	82.7	3.3	- 5.6
Federal government	12.8	12.9	13.0	- .4	- 1.6
State government (includes education)	17.3	16.6	17.6	4.2	- 1.9
Local government	48.0	46.1	52.0	4.0	- 7.8
Local government, except education	22.4	22.3	23.0	.3	- 2.7
Local government education	25.6	23.8	29.0	7.4	- 11.9

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$365.38	$356.47	$335.38	41.1	40.6	41.1	$ 8.89	$ 8.78	$ 8.16
Durable Goods[d]	360.18	348.80	328.30	41.4	40.7	41.4	8.70	8.57	7.93
Furniture and fixtures	276.11	251.80	235.25	39.5	37.8	37.7	6.99	6.67	6.24
Primary metal industries	350.24	300.56	292.53	41.4	36.3	37.6	8.46	8.28	7.78
Fabricated metal products	351.44	346.51	324.28	41.2	41.9	41.1	8.53	8.27	7.89
Fabricated structural metal products	343.65	315.44	286.44	43.5	42.8	40.4	7.90	7.37	7.09
Machinery, except electrical	334.09	324.30	318.70	40.3	39.5	42.1	8.29	8.21	7.57
Metalworking machinery	369.15	350.95	359.31	40.7	39.3	43.5	9.07	8.93	8.26
General industrial machinery	333.63	340.31	315.08	40.1	41.4	43.4	8.32	8.22	7.26
Electric and electronic equipment	267.02	265.28	236.98	39.5	39.3	38.1	6.76	6.75	6.22
Transportation equipment	510.24	489.72	445.28	44.1	43.3	43.4	11.57	11.31	10.26
Motor vehicles and equipment	633.21	607.67	497.49	48.3	47.4	44.9	13.11	12.82	11.08
Nondurable Goods[e]	372.10	366.12	343.54	40.8	40.5	40.8	9.12	9.04	8.42
Food and kindred products	414.88	414.92	395.64	41.2	41.0	42.0	10.07	10.12	9.42
Meat products	427.99	435.01	455.49	40.3	41.0	44.7	10.62	10.61	10.19
Bakery products	377.47	390.63	333.39	42.7	43.5	40.5	8.84	8.98	8.30
Beverages	364.02	375.90	344.57	39.1	40.2	40.3	9.31	9.34	8.55
Apparel and other textile products	208.41	208.05	183.52	37.6	38.6	37.8	5.54	5.39	4.86
Paper and allied products	329.21	330.30	303.97	41.1	41.6	41.3	8.01	7.94	7.36
Printing and publishing	389.54	364.10	329.84	40.2	38.9	38.0	9.69	9.36	8.68
Chemicals and allied products	399.50	399.27	375.91	40.6	40.7	41.4	9.84	9.81	9.08
Rubber and misc. plastics products	327.19	329.51	305.98	43.8	43.3	41.8	7.47	7.61	7.32
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	500.76	537.81	508.64	36.0	39.0	39.8	13.91	13.79	12.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	400.18	384.35	332.40	40.3	39.3	40.0	9.93	9.78	8.31
WHOLESALE TRADE	295.66	295.57	283.75	38.8	39.2	39.3	7.62	7.54	7.22
RETAIL TRADE[f]	154.41	153.31	143.62	30.1	30.6	30.3	5.13	5.01	4.74
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	191.35	191.33	174.52	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	899.1	898.0	899.7	.1	- .1
MANUFACTURING	252.0	250.0	248.2	.8	1.5
Durable Goods[e]	183.8	182.0	180.6	1.0	1.7
Furniture and fixtures	2.4	2.4	2.5	2.1	- 3.1
Primary metal industries	30.5	29.8	27.4	2.2	11.3
Blast furnace and basic steel products	15.7	15.6	14.7	.6	6.8
Iron and steel foundries	6.7	6.3	5.2	5.3	27.2
Nonferrous foundries	3.2	3.1	3.0	1.5	6.4
Fabricated metal products	39.5	39.1	38.1	1.1	3.7
Fabricated structural metal products .	4.3	4.2	4.3	.4	- .2
Screw machine products, bolts, etc. ..	6.1	6.2	5.9	- .5	4.2
Metal forgings and stampings	14.5	14.0	13.4	3.5	7.7
Machinery, except electrical	47.3	46.8	47.9	1.0	- 1.3
Construction and related machinery ...	8.5	8.4	7.8[h]	.7	9.0
Metalworking machinery	16.4	16.3	17.4	.7	- 5.9
Special industry machinery	4.3	4.3	4.8	- 1.5	- 11.4
General industrial machinery	4.0	3.9	4.1	1.9	- 2.6
Electric and electronic equipment	24.9	24.6	24.5	1.2	1.4
Electrical industrial apparatus	9.2	9.1	9.2	1.5	.0
Transportation equipment	22.9	23.1	24.2	- .8	- 5.2
Motor vehicles and equipment	15.7	15.8	16.1	- .6	- 2.6
Instruments and related products	5.9	6.0	5.8	- .6	2.3
Nondurable Goods[f]	68.2	68.0	67.6	.4	.9
Food and kindred products	8.7	8.8	8.9	- 1.3	- 2.0
Bakery products	1.8	1.8	2.0	- 1.3	- 11.4
Beverages	1.7	1.7	1.7	- 3.2	- 5.2
Apparel and other textile products	5.7	5.7	5.6	.7	2.9
Paper and allied products	5.2	5.2	5.2	.7	.0
Printing and publishing	15.5	15.5	15.2	.3	2.6
Chemicals and allied products	16.5	16.8	16.3	- 1.6	1.4
Industrial inorganic chemicals	5.0	5.0	4.9	.1	3.9
Rubber and misc. plastics products	10.7	10.2	10.6	5.0	.8
NONMANUFACTURING[g]	647.1	648.1	651.5	- .1	- .7
CONSTRUCTION	33.2	33.4	35.9	- .7	- 7.5
TRANSPORTATION AND PUBLIC UTILITIES	45.8	45.4	46.7	.8	- 2.0
Communication, electric, gas services ..	19.8	19.8	19.5	.0	1.6
WHOLESALE TRADE	62.4	62.6	63.7	- .3	- 2.0
RETAIL TRADE	146.2	145.2	146.7	.7	- .3
FINANCE, INSURANCE, AND REAL ESTATE	49.2	49.7	48.8	- 1.0	.9
Banking	13.7	13.9	13.8	- 1.5	- .3
Insurance carriers	12.2	12.3	12.3	- .5	- .8
SERVICES	192.5	190.7	189.4	1.0	1.6
GOVERNMENT	116.4	119.7	119.8	- 2.8	- 2.8
Federal government	19.5	19.5	20.3	- .2	- 4.0
State government (includes education) ..	7.3	7.5	7.6	- 1.8	- 3.0
Local government	89.6	92.7	91.0	- 3.4	- 1.5
Local government, except education ...	45.9	50.5	45.9	- 9.1	- .1
Local government education	43.7	42.3	45.1	3.3	- 3.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.14	$400.05	$399.06	41.1	41.2	40.8	$ 9.76	$ 9.71	$ 9.77
Durable Goods[d]	422.24	420.75	372.60	41.6	41.7	40.9	10.15	10.09	9.11
Furniture and fixtures	292.44	317.12	222.72	40.9	43.5	39.7	7.15	7.29	5.61
Primary metal industries	506.74	495.32	400.70	43.2	42.7	39.4	11.73	11.60	10.17
Blast furnace and basic steel products	552.90	544.32	433.94	42.4	42.0	37.8	13.04	12.96	11.48
Iron and steel foundries	565.93	542.50	437.41	43.6	43.4	41.5	12.98	12.50	10.54
Nonferrous foundries	337.03	319.84	306.07	43.6	41.7	42.1	7.73	7.67	7.27
Fabricated metal products	392.98	403.91	357.38	40.1	41.3	40.2	9.80	9.78	8.89
Fabricated structural metal products	326.78	333.73	305.34	39.9	41.1	39.2	8.19	8.12	7.79
Screw machine products, bolts, etc.	365.40	377.31	310.31	40.6	41.6	38.5	9.00	9.07	8.06
Metal forgings and stampings	471.91	503.53	440.02	40.3	43.0	41.2	11.71	11.71	10.68
Machinery, except electrical	416.34	425.94	376.57	41.1	41.8	41.2	10.13	10.19	9.14
Construction and related machinery	446.75	438.69	391.44	39.5	39.7	39.7	11.31	11.05	9.86
Metalworking machinery	418.06	418.06	373.43	42.4	42.4	41.4	9.86	9.86	9.02
Special industry machinery	406.30	395.58	347.53	39.6	39.4	38.7	10.26	10.04	8.98
General industrial machinery	401.99	406.85	397.23	41.4	41.9	43.7	9.71	9.71	9.09
Electric and electronic equipment	364.17	366.72	329.99	42.1	42.2	41.9	8.65	8.69	7.88
Electrical industrial apparatus	382.95	407.16	363.78	41.4	43.5	42.3	9.25	9.36	8.60
Transportation equipment	478.30	484.62	466.77	41.7	40.5	43.1	11.47	11.96	10.83
Motor vehicles and equipment	494.21	471.98	491.37	41.6	40.1	43.6	11.88	11.77	11.27
Instruments and related products	299.47	297.92	281.39	40.8	40.7	40.9	7.34	7.32	6.88
Nondurable Goods[e]	336.20	334.62	306.90	39.6	39.6	39.6	8.49	8.45	7.75
Food and kindred products	341.47	341.50	313.94	40.7	40.8	40.3	8.39	8.37	7.79
Bakery products	356.06	348.17	326.68	39.3	38.6	41.3	9.06	9.02	7.91
Beverages	316.09	298.26	262.39	41.7	39.4	37.7	7.58	7.57	6.96
Apparel and other textile products	235.87	239.21	220.77	37.8	38.1	38.8	6.24	6.27	5.69
Paper and allied products	346.11	351.53	306.03	41.7	42.2	39.9	8.30	8.33	7.67
Printing and publishing	373.46	355.72	326.62	37.8	36.9	37.2	9.88	9.64	8.78
Chemicals and allied products	397.29	391.55	369.33	41.0	41.0	40.6	9.69	9.55	9.09
Industrial inorganic chemicals	405.27	406.13	375.89	39.5	39.7	38.2	10.26	10.23	9.84
Rubber and misc. plastics products	282.09	297.86	274.48	39.9	41.6	41.4	7.07	7.16	6.63
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	541.15	565.86	538.23	35.3	37.4	38.5	15.33	15.13	13.98
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	453.47	450.17	404.62	41.3	41.3	41.8	10.98	10.90	9.68
WHOLESALE TRADE	318.89	319.51	290.69	38.7	39.3	37.9	8.24	8.13	7.67
RETAIL TRADE[f]	160.13	157.51	154.80	28.8	28.9	30.0	5.56	5.45	5.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	217.07	215.04	202.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	518.3	514.8	514.0	.7	.8
MANUFACTURING	94.1	93.1	95.9	1.1	- 1.8
Durable Goods[e]	59.7	59.0	61.6	1.3	- 3.0
Stone, clay, and glass products	10.0	9.7	10.6	2.7	- 6.2
Fabricated metal products	10.4	10.5	10.9	- .8	- 4.7
Machinery, except electrical	12.5	12.2	11.5	2.6	8.9
Electric and electronic equipment	11.6	11.6	12.9	.3	- 9.5
Transportation equipment	5.9	5.7	6.2	2.9	- 5.2
Nondurable Goods[f]	34.4	34.2	34.3	.7	.2
Food and kindred products	10.8	10.6	10.9	2.1	- 1.2
Printing and publishing	8.9	8.9	8.9	.1	- .3
Chemicals and allied products	6.0	6.0	6.0	1.1	.7
Rubber and misc. plastics products	3.1	3.2	3.2	- 3.9	- 2.3
NONMANUFACTURING[g]	424.2	421.7	418.1	.6	1.5
CONSTRUCTION	21.5	21.6	22.8	- .8	- 6.0
TRANSPORTATION AND PUBLIC UTILITIES	25.3	25.2	24.9	.5	1.5
Communication, electric, gas services	11.6	11.6	11.1	.0	3.7
WHOLESALE TRADE	27.6	27.6	27.4	.1	.6
RETAIL TRADE	98.7	97.5	96.0	1.2	2.8
FINANCE, INSURANCE, AND REAL ESTATE	40.0	40.2	38.6	- .6	3.6
Banking	7.9	7.9	7.7	- .6	2.5
Insurance carriers	17.8	17.9	17.0	- .7	4.3
SERVICES	111.6	111.1	107.2	.4	4.1
GOVERNMENT	98.7	97.6	100.3	1.1	- 1.6
Federal government	11.3	11.4	11.2	- .9	.9
State government	45.7	45.0	45.7	1.5	.0
State government, except education[j]	28.9	29.0	28.4	- .5	1.5
State government education	16.8	16.0	17.3	5.2	- 2.5
Local government	41.7	41.1	43.4	1.3	- 3.9
Local government, except education	17.5	20.1	19.4	- 13.0	- 9.8
Local government education	24.2	21.1	24.0	14.8	.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [j] Excludes units such as Ohio Department of Education and its schools for deaf and blind. Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

Division of Research and Statistics
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$350.88	$347.79	$312.44	40.1	40.3	39.4	$ 8.75	$ 8.63	$ 7.93
Durable Goods[d]	361.94	365.72	324.18	39.6	40.5	39.2	9.14	9.03	8.27
Stone, clay, and glass products	339.77	346.04	298.98	39.6	41.0	39.6	8.58	8.44	7.55
Fabricated metal products	409.25	398.34	386.06	39.2	38.9	38.8	10.44	10.24	9.95
Machinery, except electrical	345.58	356.15	327.85	40.8	41.9	41.5	8.47	8.50	7.90
Electric and electronic equipment	364.05	368.96	318.77	39.7	40.5	39.5	9.17	9.11	8.07
Transportation equipment	377.69	397.99	362.94	38.5	41.5	38.9	9.81	9.59	9.33
Nondurable Goods[e]	327.59	310.04	288.48	41.0	39.8	39.9	7.99	7.79	7.23
Food and kindred products	342.63	319.76	309.44	42.3	41.1	42.8	8.10	7.78	7.23
Printing and publishing	340.76	317.42	287.56	38.9	37.3	36.4	8.76	8.51	7.90
Chemicals and allied products	365.09	359.31	321.60	41.3	40.6	40.2	8.84	8.85	8.00
Rubber and misc. plastics products	300.94	270.96	265.60	41.0	39.1	41.5	7.34	6.93	6.40
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	438.12	468.55	440.95	36.0	38.5	39.3	12.17	12.17	11.22
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	444.80	440.18	384.29	41.3	41.1	41.1	10.77	10.71	9.35
WHOLESALE TRADE	288.95	290.60	285.60	39.1	39.7	40.0	7.39	7.32	7.14
RETAIL TRADE[f]	145.12	143.18	139.52	29.2	29.4	30.2	4.97	4.87	4.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	181.85	179.29	166.66	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	358.4	350.8	355.2	2.2	.9
MANUFACTURING	101.3	99.0	98.0	2.3	3.3
Durable Goods[e]	69.0	67.4	66.0	2.4	4.5
Stone, clay, and glass products	2.3	2.2	2.4	3.7	- 5.7
Fabricated metal products	7.0	7.0	7.1	.2	- 1.8
Machinery, except electrical	30.8	30.2	30.6	2.1	.8
Metalworking machinery	7.0	6.8	7.5	2.6	- 6.6
Electric and electronic equipment	9.9	9.3	7.4	7.3	34.3
Electrical industrial apparatus	3.9	3.7	3.7	7.0	5.4
Transportation equipment	12.6	12.4	12.6	1.6	- .1
Nondurable Goods[f]	32.3	31.7	32.0	1.9	.8
Food and kindred products	3.7	3.6	3.6	2.0	2.4
Paper and allied products	6.2	6.1	5.9	.6	4.0
Printing and publishing	9.7	9.4	10.0	3.3	- 2.7
Rubber and misc. plastics products	8.6	8.5	8.6	1.8	.9
NONMANUFACTURING[g]	257.1	251.8	257.2	2.1	.0
CONSTRUCTION	12.6	12.9	14.6	- 2.0	- 13.4
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.4	13.3	.1	.5
Communication, electric, gas services	6.6	6.7	6.6	- .9	.4
WHOLESALE TRADE	15.3	15.2	15.4	.2	- .9
RETAIL TRADE	58.1	57.5	58.2	1.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	13.8	14.0	13.7	- .9	.7
SERVICES	76.2	74.2	73.4	2.6	3.8
GOVERNMENT	67.3	64.2	68.2	4.8	- 1.3
Federal government	25.3	25.7	25.1	- 1.6	.6
State government (includes education)	5.3	5.3	5.3	1.3	1.3
Local government	36.7	33.2	37.8	10.3	- 2.9
Local government, except education	14.3	14.5	14.4	- 1.2	- .9
Local government education	22.3	18.7	23.3	19.3	- 4.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$402.41	$413.55	$367.33	41.4	41.9	41.6	$ 9.72	$ 9.87	$ 8.83
Durable Goods[d]	404.62	418.03	368.01	41.8	42.7	42.3	9.68	9.79	8.70
Stone, clay, and glass products	369.72	360.06	338.52	40.1	38.8	38.6	9.22	9.28	8.77
Fabricated metal products	317.10	320.12	269.68	42.0	42.4	39.6	7.55	7.55	6.81
Machinery, except electrical	397.31	400.03	394.72	41.3	41.8	44.5	9.62	9.57	8.87
Metalworking machinery	399.51	390.16	399.16	41.4	41.2	44.4	9.65	9.47	8.99
Electric and electronic equipment	480.70	478.49	310.84	46.4	46.5	40.9	10.36	10.29	7.60
Electrical industrial apparatus	316.17	317.37	277.01	42.1	42.6	39.8	7.51	7.45	6.96
Transportation equipment	487.61	553.90	458.64	40.6	44.1	42.0	12.01	12.56	10.92
Nondurable Goods[e]	396.90	405.21	367.54	40.5	40.4	40.3	9.80	10.03	9.12
Food and kindred products	393.54	367.11	369.95	41.6	40.7	44.2	9.46	9.02	8.37
Paper and allied products	366.80	348.19	333.59	42.9	41.5	43.1	8.55	8.39	7.74
Printing and publishing	408.20	419.05	392.17	39.1	40.1	39.1	10.44	10.45	10.03
Rubber and misc. plastics products	446.58	505.26	423.06	38.3	40.1	39.1	11.66	12.60	10.82
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	442.77	511.03	466.67	34.7	39.8	40.3	12.76	12.84	11.58
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	412.90	409.46	383.14	40.6	40.5	41.6	10.17	10.11	9.21
WHOLESALE TRADE	286.18	284.95	262.86	41.0	41.0	41.2	6.98	6.95	6.38
RETAIL TRADE[f]	148.34	147.70	146.05	29.2	29.6	30.3	5.08	4.99	4.82
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	293.5	288.9	293.3	1.6	.1
MANUFACTURING	78.2	75.9	76.0	3.0	2.9
Durable Goods[e]	60.6	58.6	58.0	3.3	4.4
Stone, clay, and glass products	13.6	13.6	13.6	.1	.3
Primary metal industries	4.8	4.7	4.7	3.1	3.2
Fabricated metal products	9.1	9.0	8.4	1.5	8.9
Metal forgings and stampings	4.2	4.0	3.8	3.4	9.9
Machinery, except electrical	7.5	7.5	7.4	.3	1.6
General industrial machinery	2.3	2.3	2.3	.2	- .7
Transportation equipment	16.2	14.7	15.6	10.4	4.0
Motor vehicles and equipment	15.1	13.6	14.3	10.8	5.6
Nondurable Goods[f]	17.6	17.3	18.0	1.9	- 2.0
Food and kindred products	5.2	4.6	5.0	11.6	3.0
Petroleum and coal products	1.7	1.9	1.9	- 12.1	- 11.0
Rubber and misc. plastics products	3.2	3.3	3.4	- 2.7	- 7.1
NONMANUFACTURING[g]	215.3	212.9	217.3	1.1	- .9
CONSTRUCTION	13.8	14.2	14.7	- 2.6	- 6.3
TRANSPORTATION AND PUBLIC UTILITIES	19.7	19.6	20.1	.5	- 2.0
Communication, electric, gas services	7.9	7.9	7.7	- .7	1.4
WHOLESALE TRADE	14.2	14.2	14.3	.0	- .5
RETAIL TRADE	51.9	51.7	52.5	.3	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	11.1	11.1	10.9	.0	1.6
SERVICES	62.3	62.3	60.7	.1	2.6
GOVERNMENT	41.7	39.3	43.6	6.0	- 4.4
State government (includes education)	10.5	10.9	10.7	- 3.7	- 1.4
Local government	28.5	25.7	30.2	10.7	- 5.8
Local government, except education	10.9	10.9	12.0	.3	- 8.9
Local government education	17.5	14.8	18.2	18.4	- 3.8

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.06	$396.96	$372.41	41.2	40.3	40.7	$10.05	$ 9.85	$ 9.15
Durable Goods[d]	427.22	404.61	382.73	41.0	40.1	40.5	10.42	10.09	9.45
Stone, clay, and glass products	409.54	409.60	394.13	39.8	40.0	41.4	10.29	10.24	9.52
Primary metal industries	408.96	386.88	368.51	42.6	41.6	40.9	9.60	9.30	9.01
Fabricated metal products	382.54	357.19	323.53	41.4	39.6	38.7	9.24	9.02	8.36
Metal forgings and stampings	458.55	423.74	382.93	41.8	39.9	39.6	10.97	10.62	9.67
Machinery, except electrical	412.48	410.47	386.48	40.4	40.6	42.1	10.21	10.11	9.18
General industrial machinery	461.44	455.80	410.66	41.2	41.1	40.3	11.20	11.09	10.19
Transportation equipment	527.08	480.38	427.47	42.2	40.3	40.1	12.49	11.92	10.66
Motor vehicles and equipment	527.93	479.99	428.93	42.1	40.2	39.9	12.54	11.94	10.75
Nondurable Goods[e]	368.38	368.51	339.90	42.1	40.9	41.3	8.75	9.01	8.23
Food and kindred products	374.53	380.98	318.44	44.8	43.0	41.9	8.36	8.86	7.60
Petroleum and coal products	569.33	590.50	609.61	44.1	44.1	47.7	12.91	13.39	12.78
Rubber and misc. plastics products	312.44	295.60	291.40	39.4	37.8	39.7	7.93	7.82	7.34
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	488.85	579.42	597.23	31.6	37.6	40.6	15.47	15.41	14.71
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	449.19	440.18	411.88	41.4	41.1	41.9	10.85	10.71	9.83
WHOLESALE TRADE	322.63	309.70	282.94	38.5	38.0	38.6	8.38	8.15	7.33
RETAIL TRADE[f]	157.34	157.47	151.30	29.3	29.6	30.2	5.37	5.32	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1981[b]	August 1981[c]	September 1980[c]	August 1981	September 1980
TOTAL	202.6	197.3	201.1	2.7	.8
MANUFACTURING	69.6	66.6	68.2	4.6	2.0
Durable Goods[e]	63.6	60.7	62.4	4.6	1.9
Stone, clay, and glass products	2.0	2.0	1.7	.8	16.2
Primary metal industries	30.2	29.4	28.7	2.5	5.2
Blast furnace and basic steel products	15.7	15.8	14.4	-.6	9.0
Fabricated metal products	8.4	8.6	8.9	-2.3	-6.0
Fabricated structural metal products	2.6	2.6	2.9	.6	-10.4
Machinery, except electrical	5.9	6.0	6.6	-1.1	-10.5
Metalworking machinery	2.4	2.4	3.0	-1.2	-20.6
Electric and electronic equipment	3.0	3.0	3.1	.4	-1.7
Transportation equipment	12.2	9.9	11.3	23.7	8.4
Nondurable Goods[f]	6.0	5.8	5.9	3.9	2.8
NONMANUFACTURING[g]	133.0	130.7	132.8	1.7	.1
CONSTRUCTION	7.3	7.4	7.9	-1.3	-7.3
TRANSPORTATION AND PUBLIC UTILITIES	9.2	9.2	9.4	.3	-2.4
Communication, electric, gas services	3.4	3.4	3.3	-.4	1.2
WHOLESALE TRADE	7.8	7.8	7.8	.4	1.1
RETAIL TRADE	36.9	36.9	37.2	-.1	-.9
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	-.9	1.5
SERVICES	40.0	39.3	38.5	1.7	3.9
GOVERNMENT	24.1	22.4	24.4	7.8	-1.3
Local government (includes education)	19.4	17.6	19.7[h]	9.9	-1.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1981[b]	August 1981[c]	September 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]	Sep. 1981[b]	Aug. 1981[c]	Sep. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$479.57	$491.57	$411.84	41.2	41.8	39.6	$11.64	$11.76	$10.40
Durable Goods[d]	491.15	505.31	423.72	41.1	41.9	39.6	11.95	12.06	10.70
Stone, clay, and glass products	295.74	300.19	265.22	37.2	37.8	35.6	7.95	7.94	7.45
Primary metal industries	524.80	496.96	445.38	40.4	39.1	39.0	12.99	12.71	11.42
Blast furnace and basic steel products	563.26	522.19	440.44	41.6	39.5	38.1	13.54	13.22	11.56
Fabricated metal products	451.36	473.06	452.10	40.3	41.1	41.1	11.20	11.51	11.00
Fabricated structural metal products .	311.26	338.66	318.20	39.4	41.0	38.9	7.90	8.26	8.18
Machinery, except electrical	426.86	423.34	393.88	38.7	37.9	37.8	11.03	11.17	10.42
Metalworking machinery	426.01	459.89	429.46	37.8	40.2	39.4	11.27	11.44	10.90
Electric and electronic equipment	345.47	334.57	325.21	40.5	39.5	40.6	8.53	8.47	8.01
Transportation equipment	549.63	716.22	442.24	45.2	54.3	41.1	12.16	13.19	10.76
Nondurable Goods[e]	329.57	328.86	283.77	41.3	40.6	39.8	7.98	8.10	7.13
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	529.15	537.86	514.32	36.9	38.2	38.7	14.34	14.08	13.29
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	441.07	438.01	388.46	43.2	42.9	43.5	10.21	10.21	8.93
WHOLESALE TRADE	332.45	330.46	297.83	40.2	40.3	39.5	8.27	8.20	7.54
RETAIL TRADE[f]	156.60	153.39	148.90	30.0	29.9	30.7	5.22	5.13	4.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment conpensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers concidered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

11/23/81 S6270-1

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
OCTOBER 1981

Unemployment in Ohio, estimated at 505,000 in October, represented 9.9 percent of the civilian labor force--down fractionally from September. Total employment advanced .3 percent, to 4,607,000. Seasonal gains boosted nonfarm payroll employment .2 percent, to 4,408,000.

Factory employment in Ohio slipped 1.5 percent, to 1,240,000. Auto manufacturers and producers of automotive components reported production cutbacks stemming from fewer orders. Lack of orders also led to layoffs in the production of basic steel, household appliances, paper, and paperboard items. Food products dropped seasonally in employment, due to layoffs of temporary canning workers.

Nonmanufacturing employment in Ohio totaled 3,168,000 in October, .9 percent above September. Educational services spearheaded the gain, as public and private schools and colleges added personnel for the new academic year. Department and apparel stores also hired seasonally, in preparation for the Christmas holiday. Construction, normally down from September to October, advanced fractionally as favorable weather conditions prevailed. Increases were partially offset, however, by declines in employment among outdoor refreshments, amusement parks, and drive-ins.

Average weekly earnings of Ohio's factory production workers slipped $1.50 from September to $395.44 in October. The average workweek, at 40.6 hours, was .4 hours shorter. Overtime curtailments in basic steel and nonferrous rolling and drawing mills lowered earnings in primary metals. Less overtime was also reported in the production of communication equipment, fasteners, and paper. Vegetable processors reported curtailed schedules following the peak of the canning season. Stepped-up overtime, however, was reported in petroleum refining and structural clay products, while wage-rate increases boosted earnings in the production of metal stampings, general industrial machinery, beverages, and plastic products.

The number of jobless Ohioans rose over 70,000 between October 1980 and October 1981, lifting the unemployment rate over the year from 8.3 to 9.9 percent. Total employment dropped 3.5 percent, while nonfarm payrolls slipped fractionally. Nondurable-goods manufacturing accounted for most of the decline, due chiefly to plant closings in rubber and food industries. Increases in primary and fabricated metals moderated losses among other durable-goods industries, notably motor vehicles and nonelectrical machinery. Factory production workers grossed $32 more per week in October 1981 than in October of last year, despite a decline of .2 hours in the average workweek.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Workers on nonfarm payrolls in the Akron area numbered 261,400 in October, up 200 from September. Nonmanufacturing accounted for the gain as schools and colleges added personnel for the new academic year. Partially offsetting this gain, cutbacks in fabricated metals and rubber items lowered manufacturing by 800, to 76,000 for the month. Production workers in factories grossed $9.71 per hour, up 7¢ from September. The average workweek, at 41.7 hours, was up .9 hours for the month.

Canton.--Canton's nonagricultural wage and salary employment increased fractionally from September, to 157,200 in October. Seasonal gains in education boosted nonmanufacturing. Losses in primary metal industries accounted for most of the decline of 400 in manufacturing, to 55,800 in October. The workweek and hourly earnings of the average factory production worker, at 40.7 hours and $10.05 an hour, were .6 hours and 9¢ above September.

Cincinnati.--Nonfarm employment in Cincinnati totaled 611,700 in October, up 900 from September. Widespread decreases lowered manufacturing 700, to 162,400, despite recalls in motor vehicles and equipment. Increases by schools and colleges lifted nonmanufacturing. Earnings of factory production workers rose slightly from September, to $8.94 an hour. Their average workweek was down .6 hours, to 40.6 in October.

Cleveland.--Nonfarm establishments in Cleveland employed 899,600 workers in October, up 2,700 from September. Manufacturing totaled 251,400 for the month, down 600 from September, with losses concentrated among nondurable-goods industries. Seasonal expansion in education boosted nonmanufacturing. The average workweek for factory production workers, at 41.0 hours, was on par with September. Their average hourly earnings rose 7¢, to $9.85 in October.

Columbus.--Columbus' nonagricultural wage and salary employment totaled 526,400 in October, up 7,600 from September. The increase occurred in nonmanufacturing industries, as educational services (both public and private) and retailing expanded seasonally. Manufacturing decreased to 94,100, down 600 for the month. Production workers in manufacturing industries grossed $8.92 per hour, up 15¢, for a workweek of 40.0 hours, unchanged from September.

Dayton.--Nonfarm payroll employment in the Dayton area gained 1,100 from September, to 359,600 from October. Expansion among public schools at the beginning of the academic year was responsible for the increase. Manufacturing was down 1,100, to 100,500 for the month, the decline scattered among various component industries. The average workweek of factory production workers increased .3 hours, to 41.2, while their hourly earnings rose 18¢, to $9.90 in October.

Toledo.--Nonagricultural establishments in the Toledo area employed 297,800 wage and salary workers in October, up 4,600 from September. Much of the gain in nonmanufacturing was attributable to seasonal expansion in government, retail trade, and services. Manufacturing was down 2,100, to 75,800 for the month, as several industries--notably food and kindred products--showed employment declines. The workweek for the average factory production worker was down .6 hours, to 41.0 hours. Average hourly earnings, at $10.06, were on par with September.

Youngstown-Warren.--Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 201,700, down 500 from September. Most of the loss in manufacturing--down 400, to 68,900 in October--was attributable to durable-goods industries. Nonmanufacturing decreased slightly, as seasonal hiring in education was offset by seasonal losses in retail trade and services. Average hourly earnings for factory production workers dipped 5¢ from September, to $11.61 in October. The average workweek decreased 1.1 hours, to 40.5 for the month.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 10-18-81

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	507.3	854.6	403.1	331.4	263.1	195.5
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	[illegible]	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	305.3	213.9
1980	263.2	157.0	604.8	905.0	515.1	356.5	294.2	203.3
1980								
October .	263.3	155.7	609.1	[illegible]	523.6	359.2	298.1	200.1
November.	264.4	156.3	609.6	904.4	526.6	360.1	299.5	202.9
December.	263.7	156.3	610.6	907.1	526.0	361.0	299.7	199.1
1981								
January .	254.9	153.4	595.8	885.6	510.7	352.5	291.0	194.5
February.	256.4	153.0	596.9	881.2	509.8	352.4	287.4	192.8
March ...	258.7	153.2	599.6	886.9	513.6	355.8	292.1	194.9
April ...	260.7	155.8	607.7	895.2	517.9	357.6	295.7	199.7
May	262.5	156.3	610.5	900.4	521.0	358.0	298.0	203.4
June	257.6	157.1	613.0	906.7	522.7	357.4	299.4	204.3
July	255.4	156.5	602.9	901.0	514.2	351.5	290.3	200.8
August ..	255.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	261.3	157.0	610.8	896.8	518.8	358.5	293.2	202.2
October .	261.4	157.2	611.7	899.6	526.4	359.6	297.8	201.7
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	96.4	62.4	169.5	296.8	102.2	128.3	89.4	86.1
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	99.1	100.1	80.7	80.8
1976	80.3	57.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	55.6	164.3	255.0	96.7	99.9	74.9	70.5
1980								
October .	77.6	53.8	163.1	249.9	96.3	99.1	74.7	67.3
November.	78.8	54.4	164.2	252.5	96.8	99.7	76.5	69.3
December.	77.8	54.5	163.8	253.6	96.3	99.5	77.1	65.2
1981								
January .	75.8	54.7	163.2	251.4	95.3	98.9	75.3	65.2
February.	76.9	54.7	162.7	250.2	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	76.8	56.1	163.0	252.1	94.7	101.6	77.9	69.3
October .	76.0	55.8	162.4	251.4	94.1	100.5	75.8	68.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1970	57.3	46.9	116.3	204.2	71.8	96.0	62.7	68.2
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.3	62.5
1980	47.6	40.0	107.8	169.3	64.5	65.9	49.3	53.9
1980								
October .	46.1	38.6	107.3	164.6	63.7	65.3	49.3	51.3
November.	47.1	39.2	108.8	167.2	64.2	66.1	51.0	53.2
December.	46.1	39.5	108.6	168.1	63.8	65.8	51.5	49.2
1981								
January .	44.8	39.6	107.8	166.3	63.0	65.3	49.7	48.9
February.	45.8	39.5	107.4	165.2	62.3	65.3	47.1	47.3
March ...	46.6	38.8	106.7	164.7	62.4	66.2	49.9	50.1
April ...	46.7	39.9	107.1	165.7	62.0	66.2	50.7	53.3
May	46.2	39.9	106.9	165.9	62.4	66.4	50.7	53.2
June	45.9	40.5	107.6	167.9	62.3	66.1	51.0	53.2
July	44.6	40.8	105.7	166.5	61.3	65.6	49.3	52.1
August ..	44.2	40.9	105.8	164.3	60.8	64.8	50.1	50.1
September	45.5	41.0	107.5	166.7	61.8	67.3	52.0	52.6
October .	44.8	40.6	107.0	166.1	61.0	66.4	50.1	52.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1970	40.7	40.3	40.8	40.3	40.2	40.9	41.1	40.0
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.3	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1980								
October .	41.9	38.3	41.1	40.7	39.4	41.9	41.7	39.8
November.	42.3	39.2	41.9	41.5	39.7	42.4	41.3	41.6
December.	42.5	40.4	42.6	42.6	40.4	43.1	41.7	41.7
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.7	40.8	41.5
February.	41.5	40.0	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.8	40.1	41.2	41.0	40.0	40.9	41.6	41.6
October .	41.7	40.7	40.6	41.0	40.0	41.2	41.0	40.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1970	$4.04	$3.78	$3.62	$3.84	$3.51	$4.18	$3.91	$4.03
1971	4.36	4.09	3.89	4.15	3.77	4.49	4.26	4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1980								
October .	9.22	8.89	8.28	8.90	8.07	9.13	9.42	10.78
November.	9.14	9.12	8.43	9.11	8.23	9.21	9.44	11.01
December.	9.15	9.29	8.52	9.32	8.28	9.31	9.56	11.26
1981								
January .	9.19	9.27	8.52	9.26	8.27	9.32	9.53	11.34
February.	9.22	9.55	8.53	9.31	8.30	9.25	9.50	11.43
March ...	9.31	9.60	8.58	9.40	8.36	9.39	9.65	11.56
April ...	9.36	9.67	8.59	9.53	8.45	9.57	9.66	11.62
May	9.50	9.67	8.68	9.59	8.47	9.52	9.71	11.58
June	9.53	9.76	8.67	9.78	8.57	9.72	9.91	11.67
July	9.57	9.73	8.71	9.64	8.51	9.66	9.85	11.61
August ..	9.60	9.78	8.78	9.71	8.63	9.87	9.85	11.76
September	9.64	9.96	8.91	9.78	8.77	9.72	10.06	11.66
October .	9.71	10.05	8.94	9.85	8.92	9.90	10.06	11.61
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1970	$164.43	$152.33	$147.70	$154.75	$141.10	$170.96	$160.70	$161.20
1971	177.02	159.10	159.49	168.49	149.29	182.29	176.36	184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.[illegible]3	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	313.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.98	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1980								
October .	386.32	340.49	340.21	362.23	317.96	382.55	392.81	429.04
November.	386.62	357.50	353.22	378.07	326.73	390.50	389.87	458.02
December.	388.88	375.32	362.95	397.03	334.51	401.26	398.65	469.54
1981								
January .	385.98	368.02	355.28	381.51	331.63	388.64	388.82	470.61
February.	382.63	382.00	349.73	381.71	329.51	379.25	380.95	464.06
March ...	390.09	386.88	352.64	389.16	333.56	388.75	397.58	471.65
April ...	394.06	386.80	350.47	392.64	335.47	401.94	394.13	479.91
May	402.80	387.77	359.35	398.94	337.95	397.94	400.05	472.46
June	404.07	394.30	358.07	411.74	341.94	413.10	409.28	483.14
July	400.98	387.25	356.24	392.35	335.29	401.86	397.94	470.21
August ..	400.32	387.29	356.47	400.05	347.79	413.55	396.96	491.57
September	393.31	399.40	367.09	400.98	350.80	397.55	418.50	485.06
October .	404.91	409.04	362.96	403.85	356.80	407.88	412.46	470.21

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
September ..	309.4	281.4	28.0	9.0	September .	190.3	170.3	20.0	10.5
October	309.2	282.8	26.4	8.5	October ...	190.1	172.3	17.8	9.4
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September[p] .	293.2	263.9	29.3	10.0	September[p].	187.3	167.3	20.0	10.7
CINCINNATI[d]					CLEVELAND[e]				
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
September ..	688.7	637.4	51.3	7.5	September .	959.6	882.5	77.2	8.0
October	691.9	642.3	49.7	7.2	October ...	958.2	887.0	71.2	7.4
November ...	679.9	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September[p] .	692.6	628.8	63.8	9.2	September[p].	940.1	856.7	83.4	8.9

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1970	433.5	415.4	18.1	4.2
1971	445.4	425.5	19.9	4.5
1972	469.1	450.2	18.9	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.7	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	529.4	504.6	24.8	4.7
1979	540.9	515.1	25.7	4.8
1980	557.4	525.8	31.6	5.7
1980				
September ..	567.2	532.6	34.6	6.1
October	578.5	544.6	33.9	5.9
November ...	571.2	532.4	38.8	6.8
December ...	557.9	524.4	33.6	6.0
1981				
January	550.4	508.2	42.2	7.7
February ...	548.2	506.5	41.6	7.6
March	562.0	520.9	41.1	7.3
April	566.6	532.5	34.1	6.0
May	578.5	540.8	37.8	6.5
June	577.1	536.2	40.9	7.1
July	583.7	538.0	45.8	7.8
August	579.5	534.9	44.6	7.7
September[p] .	572.4	522.8	49.6	8.7

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1970	353.8	337.6	16.2	4.6
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	379.6	362.3	17.3	4.6
1979	390.6	366.5	24.1	6.2
1980	389.0	359.8	29.2	7.5
1980				
September .	396.0	364.7	31.3	7.9
October ...	398.3	370.1	28.2	7.1
November ..	390.8	360.8	30.0	7.7
December ..	384.2	356.6	27.5	7.2
1981				
January ...	379.5	347.5	32.0	8.4
February ..	377.8	347.3	30.5	8.1
March	387.5	357.5	30.0	7.8
April	389.1	364.3	24.8	6.4
May	397.2	369.4	27.8	7.0
June	393.7	364.0	29.7	7.5
July	399.2	364.1	35.1	8.8
August	394.7	360.9	33.8	8.6
September[p].	391.9	357.7	34.3	8.7

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
TOLEDO[h]				
1970	315.8	298.4	17.4	5.5
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	361.2	338.8	22.4	6.2
1979	366.4	340.1	26.3	7.2
1980	367.5	329.3	38.2	10.4
1980				
September ..	370.5	332.8	37.7	10.2
October	374.6	338.5	36.2	9.7
November ...	370.8	331.8	39.0	10.5
December ...	364.2	327.9	36.3	10.0
1981				
January	357.9	317.8	40.1	11.2
February ...	356.8	313.8	43.0	12.1
March	364.6	324.6	40.0	11.0
April	365.9	333.8	32.1	8.8
May	373.9	340.2	33.8	9.0
June	374.1	339.3	34.7	9.3
July	375.1	335.4	39.6	10.6
August	372.2	332.5	39.8	10.7
September[p] .	368.4	327.3	41.1	11.1

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
YOUNGSTOWN-WARREN[i]				
1970	218.5	205.1	13.4	6.1
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	234.3	216.6	17.7	7.5
1979	236.2	219.1	17.1	7.2
1980	237.5	209.5	28.0	11.8
1980				
September .	242.1	210.9	31.2	12.9
October ...	241.5	214.0	27.5	11.4
November ..	236.5	207.3	29.2	12.4
December ..	230.8	200.8	29.9	13.0
1981				
January ...	231.4	195.8	35.6	15.4
February ..	228.3	193.8	34.5	15.1
March	228.4	200.8	27.6	12.1
April	229.5	208.3	21.1	9.2
May	234.1	213.1	21.0	9.0
June	233.5	211.5	22.0	9.4
July	237.1	211.8	25.3	10.7
August	234.2	206.8	27.4	11.7
September[p].	231.8	206.0	25.8	11.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
October .	5,208	4,774	433	8.3	7.1
November.	5,112	4,649	463	9.1	7.1
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.3
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
October .	4,413.3	1,247.3	3,166.0
November.	4,430.3	1,261.2	3,169.0
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,330.8	1,247.7	3,083.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,398.0	1,258.6	3,139.5
October .	4,407.5	1,239.6	3,168.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	588.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	183.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	890.2	689.6
1980								
October .	30.8	193.0	225.7	228.6	742.0	205.9	841.0	699.0
November.	31.3	187.7	224.9	228.6	751.6	206.4	835.5	703.1
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	703.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	632.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.5	180.9	222.0	228.5	743.2	209.1	868.3	684.5

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,409.9	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.8	936.1	397.7	958.1	160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,267.5	885.2	382.3	869.9	302.8	35.3
1980						
October .	1,247.3	867.8	379.6	854.6	310.3	34.9
November.	1,261.2	881.4	379.8	869.2	325.7	36.0
December.	1,253.3	874.7	378.6	861.2	333.2	36.3
1981						
January .	1,239.9	864.3	375.6	848.5	319.8	34.9
February.	1,237.1	862.9	374.2	845.7	316.6	34.3
March ...	1,247.7	873.9	373.7	856.5	326.8	35.0
April ...	1,256.5	881.4	375.1	865.4	334.9	35.5
May	1,256.4	881.2	375.2	865.3	338.4	35.7
June	1,261.2	884.6	376.6	869.0	345.4	36.0
July	1,247.2	872.9	374.3	854.3	331.6	34.7
August ..	1,242.7	866.2	376.5	850.8	335.1	34.8
September	1,258.6	878.6	380.0	866.7	344.0	35.5
October .	1,239.6	866.1	373.5	848.4	335.5	34.4

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	158.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980									
October .	363.53	375.46	331.27	40.8	40.9	40.4	8.90	9.17	8.22
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	395.44	407.22	364.91	40.6	40.6	40.5	9.74	10.03	9.01

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.9	81.8	71.2	100.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
October .	64.2	132.5	153.3	207.6	105.5	141.7	73.0	67.7	91.0
November.	64.2	135.8	156.3	210.0	106.4	146.1	71.6	67.6	92.3
December.	63.3	138.4	155.3	210.4	106.0	139.2	71.1	67.3	92.2
1981									
January .	62.7	138.3	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.3	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.3	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	155.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	153.4	204.1	106.6	133.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.2	138.3	155.3	204.5	105.4	136.0	70.1	67.5	88.5
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.88	$162.41	$161.16	$160.63	$149.11	$175.03	$152.31	$163.51	$153.54
1971	162.96	177.36	173.40	169.33	159.20	198.55	163.49	173.82	162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1980									
October .	332.03	442.27	376.28	355.14	334.15	442.85	335.71	322.27	345.98
November.	339.87	460.10	375.66	372.59	340.72	455.18	348.98	336.42	351.46
December.	344.00	476.43	388.44	387.82	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.95	463.56	379.61	377.10	341.07	450.94	352.79	336.93	358.11
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.03	359.96
October .	356.24	485.19	388.23	392.23	370.46	479.33	368.33	357.20	378.43

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	4407.5	4398.0	4413.3	.2	- .1
MANUFACTURING	1239.6	1258.6	1247.3	- 1.5	- .6
Durable Goods[e]	866.1	878.6	867.8	- 1.4	- .2
Lumber and wood products	13.4	13.5	13.3	- 1.2	.4
Furniture and fixtures	15.1	15.4	15.2	- 1.5	- .4
Household furniture	6.9	7.2	6.8	- 3.9	1.1
Stone, clay, and glass products	62.2	63.7	64.2	- 2.3	- 3.1
Glass and glassware, pressed or blown	14.9	15.0	15.2	- 1.0	- 2.5
Structural clay products	6.5	6.7	6.7	- 3.0	- 3.5
Pottery and related products	6.7	6.7	7.0	- .6	- 4.7
Primary metal industries	138.3	141.6	132.5	- 2.3	4.4
Blast furnace and basic steel products	71.6	72.9	67.1	- 1.8	6.8
Iron and steel foundries	28.5	29.2	26.4	- 2.5	7.8
Nonferrous rolling and drawing	19.8	20.4	20.8	- 3.3	- 4.8
Nonferrous foundries	9.9	10.4	10.0	- 4.9	- .7
Fabricated metal products	155.3	156.2	153.3	- .6	1.3
Cutlery, hand tools, and hardware	13.5	13.5	13.7	.0	- 1.2
Plumbing and heating, except electric	6.0	6.0	5.7	- .2	3.7
Fabricated structural metal products	35.5	35.1	37.0	1.2	- 4.1
Screw machine products, bolts, etc.	11.2	11.1	10.5	1.0	6.2
Metal forgings and stampings	43.8	44.5	42.4	- 1.6	3.2
Machinery, except electrical	204.5	206.2	207.6	- .8	- 1.5
Construction and related machinery	26.3	26.4	25.8	- .3	1.8
Metalworking machinery	54.7	54.3	56.8	.7	- 3.9
Special industry machinery	22.4	22.8	23.8	- 2.0	- 5.9
General industrial machinery	38.0	38.1	37.5	- .3	1.3
Electric and electronic equipment	105.4	107.5	105.5	- 2.0	- .2
Electrical industrial apparatus	24.7	25.2	24.3	- 2.0	1.5
Household appliances	21.3	22.1	20.0	- 3.3	6.7
Electric lighting and wiring equipment	19.8	20.3	20.2	- 2.8	- 2.2
Communication equipment	12.1	12.1	12.7	.0	- 4.8
Transportation equipment	136.0	138.0	141.7	- 1.5	- 4.0
Motor vehicles and equipment	90.2	91.9	93.4	- 1.9	- 3.4
Aircraft and parts	36.4	36.5	38.5	- .4	- 5.4
Instruments and related products	20.9	21.4	20.0	- 2.1	4.7
Measuring and controlling devices	12.6	13.0	12.0	- 2.7	4.8
Nondurable Goods[f]	373.5	380.0	379.6	- 1.7	- 1.6
Food and kindred products	70.1	73.9	73.0	- 5.1	- 4.0
Meat products	11.3	11.4	12.1	- 1.2	- 7.1
Dairy products	11.6	11.8	12.1	- 1.1	- 3.6
Bakery products	11.1	11.3	12.6	- 2.1	- 12.1
Beverages	11.0	11.1	11.2	- .6	- 1.8
Textile mill products	5.0	5.2	5.3	- 4.1	- 6.4
Apparel and other textile products	17.5	17.2	17.1	1.4	2.2
Paper and allied products	38.4	39.3	38.4	- 2.4	- .1
Paper mills, except building paper	9.9	10.4	10.0	- 4.6	- 1.1
Misc. converted paper products	11.8	11.8	11.7	- .2	.8
Paperboard containers and boxes	13.1	13.6	13.2	- 3.6	- .9
Printing and publishing	67.5	67.3	67.7	.2	- .4
Newspapers	19.8	19.9	19.9	- .2	- .5
Commercial printing	26.4	26.2	26.6	.6	- .6
Chemicals and allied products	68.0	68.6	67.8	- .9	.4
Industrial inorganic chemicals	13.0	13.1	13.0	- .5	- .2
Plastics materials and synthetics	9.6	9.7	9.6	- 1.2	.5
Petroleum and coal products	12.8	13.0	13.5	- 1.2	- 4.9
Rubber and misc. plastics products	88.5	89.7	91.0	- 1.3	- 2.7
Tires and inner tubes	23.9	23.9	25.8	- .3	- 7.4
Miscellaneous plastics products	43.7	44.0	44.5	- .7	- 1.9
Leather and leather products	5.5	5.6	5.6	- 1.9	- 1.7

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$395.44	$396.88	$363.53	40.6	41.0	40.8	$ 9.74	$ 9.68	$ 8.91
Durable Goods[d]	407.22	408.59	375.46	40.6	40.9	40.9	10.03	9.99	9.18
Lumber and wood products	267.42	268.42	240.40	39.5	39.3	38.9	6.77	6.83	6.18
Furniture and fixtures	275.04	274.45	260.44	38.2	38.6	38.3	7.20	7.11	6.80
Household furniture	237.08	244.86	225.58	36.7	38.2	36.8	6.46	6.41	6.13
Stone, clay, and glass products	356.24	360.14	332.03	40.9	41.3	41.4	8.71	8.72	8.02
Glass and glassware, pressed or blown.	377.94	374.74	344.86	39.7	40.6	40.1	9.52	9.23	8.60
Structural clay products	287.18	274.16	253.92	41.5	40.2	39.8	6.92	6.82	6.38
Pottery and related products	268.80	263.89	261.02	37.7	36.6	38.9	7.13	7.21	6.71
Primary metal industries	485.19	504.00	442.27	40.5	42.0	40.8	11.98	12.00	10.84
Blast furnace and basic steel products	531.62	555.44	458.99	40.8	42.4	39.5	13.03	13.10	11.62
Iron and steel foundries	446.19	442.68	395.20	40.6	40.8	40.0	10.99	10.85	9.88
Nonferrous rolling and drawing	445.94	480.40	482.64	37.6	40.1	42.3	11.86	11.98	11.41
Nonferrous foundries	341.96	338.24	321.88	41.2	40.9	40.9	8.30	8.27	7.87
Fabricated metal products	388.23	384.40	376.28	39.9	40.0	40.9	9.73	9.61	9.20
Cutlery, hand tools, and hardware	404.61	397.20	358.83	40.1	40.0	37.3	10.09	9.93	9.62
Plumbing and heating, except electric.	304.19	294.52	276.64	39.2	38.2	38.0	7.76	7.71	7.28
Fabricated structural metal products .	347.10	346.53	326.42	39.0	39.2	40.2	8.90	8.84	8.12
Screw machine products, bolts, etc. ..	337.92	352.34	311.56	38.4	39.5	38.8	8.80	8.92	8.03
Metal forgings and stampings	463.05	456.75	482.54	40.3	40.6	43.2	11.49	11.25	11.17
Machinery, except electrical	392.23	391.14	355.14	40.9	41.0	41.2	9.59	9.54	8.62
Construction and related machinery ...	398.69	388.00	358.02	40.6	40.0	40.5	9.82	9.70	8.84
Metalworking machinery	397.31	393.18	356.24	41.3	41.3	40.9	9.62	9.52	8.71
Special industry machinery	373.92	369.70	329.85	41.5	41.4	41.7	9.01	8.93	7.91
General industrial machinery	393.98	384.71	349.92	40.7	40.2	40.5	9.68	9.57	8.64
Electric and electronic equipment	370.46	364.50	334.15	40.8	40.5	40.8	9.08	9.00	8.19
Electrical industrial apparatus	369.05	360.59	326.82	41.7	41.4	40.7	8.85	8.71	8.03
Household appliances	406.39	400.05	352.79	41.3	41.2	41.8	9.84	9.71	8.44
Electric lighting and wiring equipment	334.13	328.38	313.96	40.5	39.9	40.2	8.25	8.23	7.81
Communication equipment	392.81	410.62	358.51	38.7	40.1	38.8	10.15	10.24	9.24
Transportation equipment	479.33	476.63	442.85	41.5	41.7	41.7	11.55	11.43	10.62
Motor vehicles and equipment	500.03	500.15	463.41	41.6	42.1	41.9	12.02	11.88	11.06
Aircraft and parts	423.46	411.60	389.91	40.6	40.0	41.0	10.43	10.29	9.51
Instruments and related products	274.03	274.03	246.98	39.6	39.6	39.9	6.92	6.92	6.19
Measuring and controlling devices	283.20	279.09	249.24	40.4	39.7	40.2	7.01	7.03	6.20
Nondurable Goods[e]	364.91	365.79	331.27	40.5	41.1	40.3	9.01	8.90	8.22
Food and kindred products	368.33	378.88	335.71	41.2	43.3	41.6	8.94	8.75	8.07
Meat products	409.00	426.13	382.82	40.9	43.0	42.3	10.00	9.91	9.05
Dairy products	346.08	358.19	329.62	42.0	43.0	43.2	8.24	8.33	7.63
Bakery products	370.64	363.94	317.20	41.0	40.8	39.6	9.04	8.92	8.01
Beverages	358.02	340.66	306.68	40.5	40.7	41.0	8.84	8.37	7.48
Textile mill products	260.56	261.74	247.73	39.3	39.9	39.7	6.63	6.56	6.24
Apparel and other textile products	210.55	204.23	189.22	37.2	36.6	36.6	5.66	5.58	5.17
Paper and allied products	356.90	385.42	335.75	41.5	44.2	42.5	8.60	8.72	7.90
Paper mills, except building paper ...	430.51	495.51	419.52	44.2	49.7	46.0	9.74	9.97	9.12
Misc. converted paper products	329.21	324.24	292.63	41.1	41.2	40.7	8.01	7.87	7.19
Paperboard containers and boxes	320.38	342.69	303.14	39.7	42.1	40.8	8.07	8.14	7.43
Printing and publishing	357.20	364.03	322.27	38.0	38.4	37.0	9.40	9.48	8.71
Newspapers	331.54	354.24	306.51	33.9	36.0	33.1	9.78	9.84	9.26
Commercial printing	381.97	384.75	337.81	39.5	39.3	38.3	9.67	9.79	8.82
Chemicals and allied products	396.76	394.83	349.61	41.2	41.3	40.7	9.63	9.56	8.59
Industrial inorganic chemicals	437.00	441.60	389.05	41.5	41.7	41.3	10.53	10.59	9.42
Plastics materials and synthetics	430.96	416.51	370.05	43.4	42.2	41.3	9.93	9.87	8.96
Petroleum and coal products	547.90	527.83	520.65	44.4	43.3	45.0	12.34	12.19	11.57
Rubber and misc. plastics products	378.43	359.96	345.98	41.0	40.4	40.8	9.23	8.91	8.48
Tires and inner tubes	526.35	509.72	443.04	43.5	42.3	41.6	12.10	12.05	10.65
Miscellaneous plastics products	361.70	340.35	336.15	40.1	39.9	40.5	9.02	8.53	8.30
Leather and leather products	187.36	185.10	165.50	37.1	36.8	35.9	5.05	5.03	4.61

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
OCTOBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
NONMANUFACTURING	3168.0	3139.5	3166.0	.9	.1
MINING	31.5	31.6	30.8	-.2	2.4
Bituminous coal and lignite mining	14.9	14.9	15.2	-.3	-2.3
CONSTRUCTION	180.9	180.6	193.0	.1	-6.3
General building contractors	44.8	44.9	48.6	-.1	-7.7
Heavy construction contractors	27.5	27.5	29.0	-.1	-5.2
TRANSPORTATION AND PUBLIC UTILITIES	222.0	221.8	225.7	.1	-1.6
Railroad transportation	28.1	28.1	29.6	-.1	-5.1
Transportation, except railroads	98.5	98.0	101.2	.5	-2.7
Trucking and warehousing	74.6	74.2	76.9	.5	-3.0
Communication, electric, gas services	95.4	95.7	94.9	-.3	.6
Communication	54.6	54.7	54.3	-.1	.6
Electric, gas, and sanitary services	40.8	41.0	40.6	-.4	.5
WHOLESALE TRADE	228.5	228.4	228.6	.1	.0
Wholesale trade-durable goods	146.5	146.2	147.2	.2	-.5
Motor vehicles & automotive equipment	19.8	20.0	21.1	-1.0	-6.4
Electrical goods	18.6	18.6	18.7	.3	-.2
Machinery, equipment, and supplies	63.5	63.2	62.3	.4	2.0
Wholesale trade-nondurable goods	82.1	82.2	81.4	-.2	.9
Groceries and related products	23.8	24.0	23.5	-.8	1.4
RETAIL TRADE	743.2	744.0	742.0	-.1	.2
General merchandise stores	120.5	117.5	123.6	2.5	-2.5
Department stores	110.4	107.6	112.8	2.6	-2.1
Food stores	119.6	119.8	118.6	-.2	.9
Automotive dealers & service stations	74.1	74.6	78.2	-.6	-5.2
Apparel and accessory stores	36.2	35.8	36.5	1.3	-.6
FINANCE, INSURANCE, AND REAL ESTATE	209.1	209.4	205.9	-.1	1.5
Banking	59.0	59.2	58.6	-.3	.6
Credit agencies other than banks	30.5	30.4	30.5	.5	.2
Insurance carriers	59.3	59.3	58.7	-.1	.9
SERVICES	868.3	870.6	841.0	-.3	3.2
Hotels and other lodging places	29.8	30.5	31.0	-2.3	-3.7
Laundry, cleaning, & garment services	17.7	17.5	18.1	1.0	-2.3
Business services	126.2	125.3	122.5	.7	3.1
Health services	300.0	299.7	284.7	.1	5.4
Hospitals	167.1	167.1	160.1	.0	4.4
GOVERNMENT	684.5	653.1	699.0	4.8	-2.1
Federal government	88.7	88.5	89.1	.3	-.5
State government	148.6	129.5	150.0	14.7	-1.0
State government, except education	71.7	71.7	71.8	.0	-.2
State government education	76.9	57.9	78.2	32.9	-1.6
Local government	447.2	435.1	459.8	2.8	-2.8
Local government, except education	185.4	187.7	193.8	-1.2	-4.3
Local government education	261.8	247.4	266.1	5.8	-1.6

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
OCTOBER 1981 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$455.40	$448.16	$413.52	44.0	43.3	43.3	$10.35	$10.35	$ 9.55
Bituminous coal and lignite mining	529.44	524.52	464.25	42.8	42.3	41.9	12.37	12.40	11.08
CONSTRUCTION	538.47	488.52	489.72	38.6	35.4	38.5	13.95	13.80	12.72
General building contractors	485.27	453.14	449.25	37.3	35.1	37.5	13.01	12.91	11.98
Heavy construction contractors	552.43	498.89	502.65	40.8	36.9	40.7	13.54	13.52	12.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	440.67	436.08	423.22	37.0	36.8	38.3	11.91	11.85	11.05
Communication, electric, gas services	424.77	428.48	376.58	41.2	41.6	40.8	10.31	10.30	9.23
Communication	430.54	432.22	369.72	41.2	41.4	40.1	10.45	10.44	9.22
Electric, gas, and sanitary services	418.37	424.03	385.73	41.3	41.9	41.7	10.13	10.12	9.25
WHOLESALE TRADE	301.86	300.70	282.17	38.9	38.8	39.3	7.76	7.75	7.18
Wholesale trade-durable goods	297.92	296.74	277.38	39.2	39.2	39.4	7.60	7.57	7.04
Motor vehicles & automotive equipment	273.61	279.74	270.48	38.7	39.4	39.2	7.07	7.10	6.90
Electrical goods	255.75	247.59	231.39	37.5	37.4	38.5	6.82	6.62	6.01
Machinery, equipment, and supplies	310.45	306.92	292.25	39.1	38.9	39.6	7.94	7.89	7.38
Wholesale trade-nondurable goods	309.16	308.32	290.51	38.5	38.3	39.1	8.03	8.05	7.43
Groceries and related products	334.43	344.81	316.93	40.1	41.0	41.0	8.34	8.41	7.73
RETAIL TRADE[f]	153.01	153.11	146.29	29.2	29.5	30.1	5.24	5.19	4.86
General merchandise stores	155.44	161.82	142.67	30.3	31.0	30.1	5.13	5.22	4.74
Department stores	157.47	164.95	144.48	30.4	31.3	30.1	5.18	5.27	4.80
Food stores	235.47	236.28	221.45	32.3	33.0	33.3	7.29	7.16	6.65
Automotive dealers & service stations	197.74	196.79	198.36	37.1	37.2	38.0	5.33	5.29	5.22
Apparel and accessory stores	110.00	113.16	106.59	26.7	27.4	27.4	4.12	4.13	3.89
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	187.25	186.50	174.76	....	....	....	....	....	....
Credit agencies other than banks	195.93	191.66	181.17	....	....	....	....	....	....
Insurance carriers	257.64	255.14	234.46	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	242.54	245.48	218.96	33.5	34.0	34.0	7.24	7.22	6.44
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	261.4	261.3	263.3	.1	- .7
MANUFACTURING	76.0	76.8	77.6	- 1.0	- 2.0
Durable Goods[e]	38.7	39.3	38.2	- 1.4	1.4
Stone, clay, and glass products	2.1	2.2	2.0	- 3.2	6.0
Fabricated metal products	14.9	15.3	15.2	- 2.8	- 1.9
Machinery, except electrical	11.3	11.4	11.0	- .4	3.2
Special industry machinery	2.2	2.2	2.4	- .1	- 5.5
Nondurable Goods[f]	37.3	37.5	39.4	- .6	- 5.4
Food and kindred products	2.4	2.5	3.1	- 2.5	- 22.1
Chemicals and allied products	3.6	3.6	3.4	- .1	4.6
Rubber and misc. plastics products	26.0	26.2	27.8	- .8	- 6.4
Tires and inner tubes	19.7	19.7	21.6	- .1	- 8.8
NONMANUFACTURING[g]	185.4	184.5	185.7	.5	- .1
CONSTRUCTION	8.3	8.3	8.8	.6	- 5.8
TRANSPORTATION AND PUBLIC UTILITIES	13.8	13.8	14.1	.5	- 1.9
Communication, electric, gas services	5.5	5.5	5.4	- .4	2.4
WHOLESALE TRADE	11.9	11.9	11.7	.1	1.2
RETAIL TRADE	44.5	44.7	45.1	- .3	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.2	9.2	- .9	- 1.6
SERVICES	52.2	53.0	50.7	- 1.5	2.9
GOVERNMENT	45.2	43.3	45.6	4.3	- .8
State government (includes education)	15.0	13.5	14.7	11.4	1.7
Local government (includes education)	28.2	27.8	28.8	1.2	- 2.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.91	$393.31	$386.32	41.7	40.8	41.9	$ 9.71	$ 9.64	$ 9.22
Durable Goods[d]	385.52	372.65	387.74	41.1	40.2	42.1	9.38	9.27	9.21
Stone, clay, and glass products	362.78	358.20	374.91	40.9	39.8	43.9	8.87	9.00	8.54
Fabricated metal products	365.95	359.28	442.96	38.4	38.1	43.3	9.53	9.43	10.23
Machinery, except electrical	407.34	387.11	344.45	43.8	42.4	41.5	9.30	9.13	8.30
Special industry machinery	358.25	361.67	308.90	41.9	42.7	39.2	8.55	8.47	7.88
Nondurable Goods[e]	427.65	418.74	386.65	42.3	41.5	41.8	10.11	10.09	9.25
Food and kindred products	393.72	400.45	365.76	45.1	45.3	45.1	8.73	8.84	8.11
Chemicals and allied products	405.34	423.20	394.27	42.4	43.9	44.3	9.56	9.64	8.90
Rubber and misc. plastics products	451.13	434.89	396.61	42.6	41.3	41.4	10.59	10.53	9.58
Tires and inner tubes	556.48	535.52	465.09	44.2	42.3	41.9	12.59	12.66	11.10
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	540.71	477.61	499.41	39.7	35.3	39.2	13.62	13.53	12.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	429.11	433.06	370.40	41.3	41.6	40.0	10.39	10.41	9.26
WHOLESALE TRADE	278.02	280.10	259.75	38.4	37.8	37.7	7.24	7.41	6.89
RETAIL TRADE[f]	174.80	170.85	163.15	30.4	30.4	30.9	5.75	5.62	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	157.2	157.0	155.7	.1	1.0
MANUFACTURING	55.8	56.1	53.8	- .7	3.6
Durable Goods[e]	43.9	44.2	41.7	- .7	5.4
Stone, clay, and glass products	2.3	2.4	2.3	- .6	1.4
Primary metal industries	14.5	14.7	13.1	- 1.5	10.3
Fabricated metal products	9.8	9.8	9.3	- .5	4.5
Fabricated structural metal products	3.4	3.4	3.7	- .5	- 9.6
Metal forgings and stampings	3.0	3.0	2.3[h]	- .1	29.9
Nondurable Goods[f]	11.9	11.9	12.1	- .5	- 2.3
Food and kindred products	4.2	4.2	4.4	- .1	- 4.1
Rubber and misc. plastics products	3.2	3.2	3.1	.3	1.7
NONMANUFACTURING[g]	101.4	100.9	101.8	.5	- .5
CONSTRUCTION	5.5	5.4	6.0	1.5	- 7.7
TRANSPORTATION AND PUBLIC UTILITIES	7.2	7.1	7.2	1.2	- .7
Communication, electric, gas services	3.0	3.0	3.0	.2	.2
WHOLESALE TRADE	7.1	7.1	7.1	.0	.5
RETAIL TRADE	25.9	26.2	25.8	- 1.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.2	- 1.7	2.1
SERVICES	29.9	29.9	29.1	- .1	2.7
GOVERNMENT	18.3	17.6	19.2	4.2	- 4.4
Local government (includes education)	15.2	14.4	15.9	5.2	- 4.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.04	$399.40	$340.49	40.7	40.1	38.3	$10.05	$ 9.96	$ 8.89
Durable Goods[d]	418.40	405.78	342.09	40.7	39.9	37.8	10.28	10.17	9.05
Stone, clay, and glass products	281.78	270.22	233.78	42.5	41.7	40.1	6.63	6.48	5.83
Primary metal industries	481.18	481.59	374.85	39.8	39.9	35.0	12.09	12.07	10.71
Fabricated metal products	395.61	396.93	372.78	38.9	39.3	39.7	10.17	10.10	9.39
Fabricated structural metal products .	367.54	356.69	330.24	40.3	39.5	38.4	9.12	9.03	8.60
Metal forgings and stampings	457.47	466.06	447.83	39.0	39.8	40.2	11.73	11.71	11.14
Nondurable Goods[e]	369.56	368.34	332.80	40.7	40.7	40.0	9.08	9.05	8.32
Food and kindred products	429.50	429.91	366.96	41.1	41.1	39.5	10.45	10.46	9.29
Rubber and misc. plastics products	376.71	373.80	357.65	44.9	44.5	44.1	8.39	8.40	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	516.26	496.66	481.71	38.1	36.6	39.1	13.55	13.57	12.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	441.21	444.78	391.02	41.9	42.0	42.0	10.53	10.59	9.31
WHOLESALE TRADE	284.16	275.08	271.66	38.4	38.1	39.2	7.40	7.22	6.93
RETAIL TRADE[f]	145.29	146.08	138.74	29.0	29.1	29.9	5.01	5.02	4.64
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	611.7	610.8	609.1	.1	.4
MANUFACTURING	162.4	163.0	163.1	-.4	-.4
Durable Goods[e]	90.1	90.6	90.3	-.5	-.2
Furniture and fixtures	2.5	2.6	2.9	-4.2	-14.3
Primary metal industries	2.5	2.6	2.2	-3.9	17.8
Fabricated metal products	14.6	15.1	14.8	-3.3	-1.2
Fabricated structural metal products	5.0	5.1	5.3	-2.4	-6.7
Machinery, except electrical	25.7	25.9	26.3	-.7	-2.3
Metalworking machinery	13.3	13.2	13.6	.7	-2.7
General industrial machinery	3.8	3.8	4.0	1.6	-5.3
Electric and electronic equipment	9.2	9.3	8.7	-1.1	5.4
Transportation equipment	23.9	23.5	24.4	2.0	-2.0
Motor vehicles and equipment	8.3	7.6	8.0	8.7	3.0
Nondurable Goods[f]	72.3	72.5	72.8	-.3	-.8
Food and kindred products	16.6	16.6	17.4	-.4	-4.8
Meat products	2.0	2.1	2.3	-3.1	-14.6
Bakery products	2.5	2.5	3.0	-2.4	-16.1
Beverages	5.4	5.3	5.4	1.4	-.1
Apparel and other textile products	4.6	4.6	4.0	1.3	14.9
Paper and allied products	7.2	7.3	7.1	-.6	2.6
Printing and publishing	12.1	12.2	12.4	-.3	-2.0
Chemicals and allied products	22.7	22.8	22.4	-.4	1.4
Rubber and misc. plastics products	4.7	4.6	4.6	.8	1.6
NONMANUFACTURING[g]	449.3	447.7	446.0	.4	.7
CONSTRUCTION	26.8	26.9	28.1	-.4	-4.9
TRANSPORTATION AND PUBLIC UTILITIES	33.5	33.5	34.1	.3	-1.7
Communication, electric, gas services	14.1	14.1	14.2	.0	-.4
WHOLESALE TRADE	39.0	39.0	38.3	.2	1.9
RETAIL TRADE	103.8	104.0	103.5	-.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	33.8	33.7	33.1	.3	1.9
Banking	7.3	7.4	7.4	-.4	-.7
Insurance carriers	11.7	11.7	11.4	-.2	2.4
SERVICES	127.8	128.6	123.5	-.6	3.5
GOVERNMENT	84.2	81.9	85.0	2.8	-.9
Federal government	12.7	12.8	13.0	-.4	-1.7
State government (includes education)	18.4	17.1	19.0	7.7	-2.7
Local government	53.0	52.0	53.1	2.0	-.1
Local government, except education	22.0	22.5	22.6	-2.5	-2.9
Local government education	31.0	29.4	30.4	5.5	2.0

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$362.96	$367.09	$340.31	40.6	41.2	41.1	$ 8.94	$ 8.91	$ 8.28
Durable Goods[d]	355.25	360.59	337.35	40.6	41.4	41.7	8.75	8.71	8.09
Furniture and fixtures	243.83	266.42	239.15	35.7	38.5	37.9	6.83	6.92	6.31
Primary metal industries	317.63	347.68	297.16	37.5	41.0	38.0	8.47	8.48	7.82
Fabricated metal products	349.25	348.88	322.38	40.8	40.9	40.5	8.56	8.53	7.96
Fabricated structural metal products	329.45	341.56	290.39	42.4	43.4	40.9	7.77	7.87	7.10
Machinery, except electrical	350.10	339.80	319.12	40.9	40.5	42.1	8.56	8.39	7.58
Metalworking machinery	382.54	378.72	354.67	41.4	41.3	43.2	9.24	9.17	8.21
General industrial machinery	344.66	333.63	301.02	40.5	40.1	42.1	8.51	8.32	7.15
Electric and electronic equipment	277.70	274.44	248.68	39.9	40.3	39.1	6.96	6.81	6.36
Transportation equipment	474.96	508.47	473.48	41.7	44.1	44.5	11.39	11.53	10.64
Motor vehicles and equipment	531.30	625.78	559.55	42.2	48.1	47.5	12.59	13.01	11.78
Nondurable Goods[e]	371.49	375.15	343.40	40.6	41.0	40.4	9.15	9.15	8.50
Food and kindred products	412.68	413.88	388.93	40.9	41.1	41.2	10.09	10.07	9.44
Meat products	455.57	427.99	428.48	42.3	40.3	41.6	10.77	10.62	10.30
Bakery products	404.02	377.44	325.36	44.3	42.6	39.2	9.12	8.86	8.30
Beverages	353.08	357.10	362.75	38.8	38.9	41.6	9.10	9.18	8.72
Apparel and other textile products	204.98	200.41	190.47	38.1	37.6	36.7	5.38	5.33	5.19
Paper and allied products	320.21	330.01	298.56	41.0	41.2	40.4	7.81	8.01	7.39
Printing and publishing	372.66	386.40	317.09	38.9	40.0	37.0	9.58	9.66	8.57
Chemicals and allied products	422.06	409.12	389.67	41.5	41.2	41.9	10.17	9.93	9.30
Rubber and misc. plastics products	325.61	332.51	310.06	42.9	44.1	42.3	7.59	7.54	7.33
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	532.89	506.02	504.71	38.2	36.3	39.4	13.95	13.94	12.81
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	394.81	399.78	346.02	39.6	40.3	39.5	9.97	9.92	8.76
WHOLESALE TRADE	298.37	299.12	286.08	38.8	39.1	39.9	7.69	7.65	7.17
RETAIL TRADE[f]	153.00	154.53	145.87	30.0	30.3	30.2	5.10	5.10	4.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	193.42	191.33	173.97	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	899.6	896.8	900.4	.3	- .1
MANUFACTURING	251.4	252.1	249.9	- .3	.6
Durable Goods[e]	184.0	183.9	182.6	.0	.8
Furniture and fixtures	2.4	2.4	2.4	- .6	- 1.8
Primary metal industries	30.1	30.3	27.4	- .9	9.7
Blast furnace and basic steel products	15.4	15.5	14.4	- 1.1	7.0
Iron and steel foundries	6.6	6.6	5.4	.2	22.4
Nonferrous foundries	3.1	3.2	2.9	- 1.4	6.8
Fabricated metal products	39.7	39.8	38.8	- .3	2.2
Fabricated structural metal products	4.2	4.3	4.3	- 1.8	- 1.2
Screw machine products, bolts, etc.	6.3	6.2	5.9	2.0	7.2
Metal forgings and stampings	14.6	14.7	14.0	- .7	4.4
Machinery, except electrical	47.7	47.5	48.3	.3	- 1.4
Construction and related machinery	8.7	8.5	8.2	2.3	6.0
Metalworking machinery	16.6	16.6	17.4	.0	- 4.3
Special industry machinery	4.2	4.2	4.6	- .9	- 10.4
General industrial machinery	4.0	4.0	4.1	.7	- 2.6
Electric and electronic equipment	24.8	24.9	24.4	- .3	1.7
Electrical industrial apparatus	9.0	9.1	9.1	- 1.1	- 1.1
Transportation equipment	23.3	22.9	25.1	1.9	- 7.2
Motor vehicles and equipment	16.1	15.6	17.2	2.9	- 6.3
Instruments and related products	5.9	5.9	5.7	- 1.2	1.8
Nondurable Goods[f]	67.5	68.1	67.3	- 1.0	.2
Food and kindred products	8.5	8.7	8.7	- 2.7	- 2.3
Bakery products	1.8	1.8	2.0	- .2	- 8.6
Beverages	1.6	1.7	1.7	- 3.0	- 4.7
Apparel and other textile products	5.7	5.7	5.6	.4	1.4
Paper and allied products	5.1	5.2	5.2	- 1.4	- 1.4
Printing and publishing	15.5	15.4	15.1	1.1	2.9
Chemicals and allied products	16.4	16.6	16.2	- 1.2	1.2
Industrial inorganic chemicals	5.0	5.0	4.9	- .9	2.9
Rubber and misc. plastics products	10.5	10.7	10.7	- 2.4	- 1.9
NONMANUFACTURING[g]	648.1	644.8	650.5	.5	- .4
CONSTRUCTION	33.8	33.6	35.3	.5	- 4.3
TRANSPORTATION AND PUBLIC UTILITIES	45.8	45.6	46.5	.3	- 1.6
Communication, electric, gas services	19.7	19.8	19.2	- .2	2.6
WHOLESALE TRADE	62.3	62.4	63.5	- .2	- 1.9
RETAIL TRADE	146.1	146.3	146.1	- .1	.1
FINANCE, INSURANCE, AND REAL ESTATE	49.0	49.1	48.4	- .3	1.2
Banking	13.6	13.7	13.7	- .7	- .4
Insurance carriers	12.2	12.2	12.2	- .2	- .3
SERVICES	193.0	192.5	188.2	.2	2.6
GOVERNMENT	116.7	113.7	121.0	2.7	- 3.6
Federal government	19.4	19.4	19.9	.4	- 2.5
State government (includes education)	7.9	7.2	8.2	9.2	- 3.9
Local government	89.4	87.1	92.9	2.6	- 3.8
Local government, except education	45.0	46.1	45.3	- 2.2	- .5
Local government education	44.3	41.0	47.6	8.0	- 6.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$403.85	$400.98	$362.23	41.0	41.0	40.7	$ 9.85	$ 9.78	$ 8.90
Durable Goods[d]	425.98	422.06	378.84	41.6	41.5	41.0	10.24	10.17	9.24
Furniture and fixtures	295.07	279.49	234.52	40.2	39.7	41.0	7.34	7.04	5.72
Primary metal industries	490.88	509.76	421.06	41.6	43.2	40.8	11.80	11.80	10.32
Blast furnace and basic steel products	517.58	558.78	438.53	39.3	42.3	38.1	13.17	13.21	11.51
Iron and steel foundries	570.61	566.37	480.92	43.0	43.5	44.0	13.27	13.02	10.93
Nonferrous foundries	344.43	336.92	310.84	44.5	44.1	41.5	7.74	7.64	7.49
Fabricated metal products	396.41	394.99	373.68	39.8	40.1	41.2	9.96	9.85	9.07
Fabricated structural metal products	340.54	330.34	315.15	40.3	39.8	40.3	8.45	8.30	7.82
Screw machine products, bolts, etc.	343.88	364.99	309.96	39.3	40.6	38.6	8.75	8.99	8.03
Metal forgings and stampings	484.81	482.98	458.29	40.3	41.0	42.2	12.03	11.78	10.86
Machinery, except electrical	418.78	418.20	382.85	41.3	41.0	41.3	10.14	10.20	9.27
Construction and related machinery	445.83	436.50	400.39	39.7	38.8	40.2	11.23	11.25	9.96
Metalworking machinery	428.13	424.11	378.40	42.6	42.2	41.4	10.05	10.05	9.14
Special industry machinery	403.01	397.02	356.32	40.1	39.0	38.9	10.05	10.18	9.16
General industrial machinery	418.03	415.95	383.53	42.7	42.1	42.9	9.79	9.88	8.94
Electric and electronic equipment	391.16	371.95	333.68	44.5	43.0	41.4	8.79	8.65	8.06
Electrical industrial apparatus	432.25	415.67	370.09	45.5	44.6	42.2	9.50	9.32	8.77
Transportation equipment	503.29	479.13	452.69	42.4	41.7	40.6	11.87	11.49	11.15
Motor vehicles and equipment	525.34	495.46	465.26	42.4	41.6	39.8	12.39	11.91	11.69
Instruments and related products	300.37	296.87	279.07	40.7	40.5	40.8	7.38	7.33	6.84
Nondurable Goods[e]	334.05	332.87	312.02	39.3	39.3	39.9	8.50	8.47	7.82
Food and kindred products	337.85	342.69	320.74	39.7	40.7	40.6	8.51	8.42	7.90
Bakery products	352.95	344.70	346.92	39.0	38.3	42.0	9.05	9.00	8.26
Beverages	305.88	316.84	265.80	40.3	41.8	38.3	7.59	7.58	6.94
Apparel and other textile products	245.12	237.25	223.69	38.3	37.9	38.7	6.40	6.26	5.78
Paper and allied products	350.58	345.70	320.99	41.1	41.5	41.1	8.53	8.33	7.81
Printing and publishing	358.13	360.51	318.79	37.5	36.9	36.6	9.55	9.77	8.71
Chemicals and allied products	395.92	395.35	385.48	40.4	40.8	41.9	9.80	9.69	9.20
Industrial inorganic chemicals	409.14	403.46	396.81	39.8	39.4	39.8	10.28	10.24	9.97
Rubber and misc. plastics products	288.86	280.76	281.89	40.4	39.6	41.7	7.15	7.09	6.76
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	606.44	552.75	544.65	39.1	35.8	38.6	15.51	15.44	14.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	463.14	463.56	410.82	41.8	41.8	41.0	11.08	11.09	10.02
WHOLESALE TRADE	316.95	320.97	298.38	38.7	39.0	38.7	8.19	8.23	7.71
RETAIL TRADE[f]	157.87	158.18	156.90	28.6	28.5	30.0	5.52	5.55	5.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	217.17	216.67	204.46	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	..	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	.....	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	526.4	518.8	523.6	1.5	.5
MANUFACTURING	94.1	94.7	96.3	- .6	- 2.3
Durable Goods[e]	60.0	60.3	61.8	- .5	- 2.9
Stone, clay, and glass products	9.7	10.0	10.5	- 2.6	- 7.8
Fabricated metal products	10.7	10.6	10.9	1.1	- 1.6
Machinery, except electrical	12.4	12.5	11.6	- .8	6.9
Electric and electronic equipment	11.8	12.1	12.8	- 2.3	- 7.4
Transportation equipment	6.1	5.9	6.5	4.2	- 6.7
Nondurable Goods[f]	34.1	34.4	34.5	- .8	- 1.3
Food and kindred products	10.7	10.8	10.9	- 1.0	- 1.7
Printing and publishing	9.0	8.9	9.1	1.5	- .7
Chemicals and allied products	6.0	6.0	6.0	- .3	- .8
Rubber and misc. plastics products	2.9	3.1	3.2	- 7.3	- 10.8
NONMANUFACTURING[g]	432.3	424.1	427.2	1.9	1.2
CONSTRUCTION	21.5	21.5	22.6	.2	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	25.3	25.3	25.0	.2	1.4
Communication, electric, gas services	11.6	11.6	11.1	.0	4.3
WHOLESALE TRADE	27.5	27.6	27.4	- .5	.4
RETAIL TRADE	99.8	98.7	97.0	1.0	2.8
FINANCE, INSURANCE, AND REAL ESTATE	40.0	39.9	38.5	.2	4.1
Banking	7.9	7.9	7.7	1.1	2.6
Insurance carriers	17.8	17.8	17.0	.1	4.8
SERVICES	112.7	111.6	108.9	.9	3.5
GOVERNMENT	104.7	98.6	107.2	6.1	- 2.3
Federal government	11.3	11.3	11.2	.0	1.1
State government	50.2	45.4	50.7	10.5	- .9
State government, except education[j]	28.9	28.9	28.8	.2	.5
State government education	21.3	16.6	21.9	28.4	- 2.8
Local government	43.1	41.8	45.3	3.1	- 4.8
Local government, except education	17.8	17.6	19.9	1.2	- 10.5
Local government education	25.3	24.2	25.4	4.5	- .3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [j]Excludes units such as Ohio Department of Education and its schools for deaf and blind. Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$356.80	$350.80	$317.96	40.0	40.0	39.4	$ 8.92	$ 8.77	$ 8.07
Durable Goods[d]	372.67	363.53	330.91	39.9	39.6	39.3	9.34	9.18	8.42
Stone, clay, and glass products	358.18	339.77	326.02	40.2	39.6	40.2	8.91	8.58	8.11
Fabricated metal products	426.41	414.07	384.77	39.3	39.1	38.4	10.85	10.59	10.02
Machinery, except electrical	347.94	346.45	332.90	40.6	41.0	42.3	8.57	8.45	7.87
Electric and electronic equipment	357.08	364.05	322.26	39.5	39.7	39.3	9.04	9.17	8.20
Transportation equipment	429.17	382.57	369.97	42.2	38.8	39.4	10.17	9.86	9.39
Nondurable Goods[e]	324.82	325.58	290.21	40.2	40.8	39.7	8.08	7.98	7.31
Food and kindred products	348.19	340.59	310.98	41.5	42.1	42.6	8.39	8.09	7.30
Printing and publishing	321.29	339.60	282.75	37.1	38.9	35.3	8.66	8.73	8.01
Chemicals and allied products	365.66	365.44	328.75	41.6	41.2	41.3	8.79	8.87	7.96
Rubber and misc. plastics products	295.61	295.89	268.97	41.0	40.7	41.7	7.21	7.27	6.45
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	493.42	443.81	433.48	39.6	36.2	38.6	12.46	12.26	11.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.61	456.29	404.58	41.7	41.9	41.2	10.83	10.89	9.82
WHOLESALE TRADE	292.39	289.34	283.11	39.3	39.1	40.1	7.44	7.40	7.06
RETAIL TRADE[f]	144.79	145.24	137.21	28.9	29.4	29.7	5.01	4.94	4.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	180.52	182.34	169.28	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	359.6	358.5	359.2	.3	.1
MANUFACTURING	100.5	101.6	99.1	- 1.0	1.4
Durable Goods[e]	68.7	69.4	66.9	- 1.0	2.7
Stone, clay, and glass products	2.2	2.3	2.4	- 3.3	- 8.1
Fabricated metal products	7.0	7.1	7.0	- 1.8	- .3
Machinery, except electrical	30.8	30.8	31.3	- .2	- 1.7
Metalworking machinery	6.8	6.9	7.5	- 1.4	- 8.9
Electric and electronic equipment	10.0	9.9	7.6	.5	32.0
Electrical industrial apparatus	3.8	3.9	3.8	- 2.0	1.7
Transportation equipment	12.5	12.9	12.7	- 2.8	- 1.7
Nondurable Goods[f]	31.8	32.2	32.1	- 1.2	- 1.1
Food and kindred products	3.6	3.7	3.5	- 1.7	1.6
Paper and allied products	5.9	6.2	5.9	- 4.8	.2
Printing and publishing	9.4	9.7	10.1	- 2.3	- 6.2
Rubber and misc. plastics products	8.9	8.6	8.8	2.9	1.5
NONMANUFACTURING[g]	259.1	256.9	260.1	.8	- .4
CONSTRUCTION	12.5	12.6	14.6	- 1.1	- 14.3
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.3	13.3	.0	.3
Communication, electric, gas services	6.6	6.6	6.6	- .8	- .2
WHOLESALE TRADE	15.3	15.2	15.3	.5	- .6
RETAIL TRADE	58.1	58.1	58.3	.0	- .4
FINANCE, INSURANCE, AND REAL ESTATE	13.8	13.8	13.7	.0	1.3
SERVICES	76.4	76.0	74.3	.4	2.8
GOVERNMENT	69.3	67.4	70.2	2.8	- 1.3
Federal government	25.6	25.3	25.0	1.2	2.2
State government (includes education)	6.0	5.2	6.1	15.9	- 1.3
Local government	37.7	37.0	39.1	2.0	- 3.5
Local government, except education	13.5	13.8	14.3	- 2.5	- 5.8
Local government education	24.2	23.1	24.8	4.8	- 2.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]

OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$407.88	$397.55	$382.55	41.2	40.9	41.9	$ 9.90	$ 9.72	$ 9.13
Durable Goods[d]	405.31	398.40	382.50	41.4	41.2	42.5	9.79	9.67	9.00
Stone, clay, and glass products	385.42	376.80	337.95	40.4	40.0	38.8	9.54	9.42	8.71
Fabricated metal products	300.75	284.57	276.46	40.1	38.3	40.3	7.50	7.43	6.86
Machinery, except electrical	400.61	389.64	395.05	41.6	40.8	43.7	9.63	9.55	9.04
Metalworking machinery	404.75	395.11	401.84	41.9	41.2	44.5	9.66	9.59	9.03
Electric and electronic equipment	482.33	481.63	331.59	46.2	46.4	41.5	10.44	10.38	7.99
Electrical industrial apparatus	310.16	314.67	286.34	41.3	41.9	40.5	7.51	7.51	7.07
Transportation equipment	490.30	483.98	514.60	39.7	40.5	44.4	12.35	11.95	11.59
Nondurable Goods[e]	413.11	397.54	380.57	40.7	40.4	40.4	10.15	9.84	9.42
Food and kindred products	394.07	395.54	362.52	41.7	41.9	42.4	9.45	9.44	8.55
Paper and allied products	325.22	371.51	315.79	40.3	43.3	40.8	8.07	8.58	7.74
Printing and publishing	415.44	410.29	393.57	40.1	39.3	39.2	10.36	10.44	10.04
Rubber and misc. plastics products	527.81	451.20	472.15	41.3	38.4	41.2	12.78	11.75	11.46
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	509.60	447.30	481.28	40.0	35.0	41.1	12.74	12.78	11.71
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	419.21	418.82	399.61	40.7	40.9	41.8	10.30	10.24	9.56
WHOLESALE TRADE	276.74	287.16	267.49	40.4	41.2	41.6	6.85	6.97	6.43
RETAIL TRADE[f]	148.19	148.92	144.00	29.0	29.2	30.0	5.11	5.10	4.80
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	...	....	....
SERVICES	......	......	......	....	....	....	...	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	297.8	293.2	298.1	1.6	- .1
MANUFACTURING	75.8	77.9	74.7	- 2.7	1.4
Durable Goods[e]	59.3	60.3	57.4	- 1.6	3.4
Stone, clay, and glass products	13.5	13.6	13.5	- 1.3	- .4
Primary metal industries	4.5	4.8	4.3	- 6.6	3.3
Fabricated metal products	8.9	9.1	8.5	- 2.3	4.7
Metal forgings and stampings	4.0	4.1	3.9	- 3.3	3.0
Machinery, except electrical	7.4	7.5	7.4	- .1	.4
General industrial machinery	2.3	2.3	2.3	.3	- .8
Transportation equipment	15.8	16.0	15.1	- .9	4.7
Motor vehicles and equipment	14.6	14.8	13.7	- 1.3	6.3
Nondurable Goods[f]	16.4	17.6	17.4	- 6.6	- 5.4
Food and kindred products	4.4	5.2	4.4	- 15.3	- .2
Petroleum and coal products	1.7	1.7	1.9	.0	- 10.5
Rubber and misc. plastics products	3.0	3.2	3.4	- 5.6	- 12.5
NONMANUFACTURING[g]	222.0	215.3	223.4	3.1	- .6
CONSTRUCTION	14.1	13.8	14.7	2.2	- 3.9
TRANSPORTATION AND PUBLIC UTILITIES	19.7	19.7	20.1	- .2	- 2.1
Communication, electric, gas services	7.8	7.8	7.7	- .1	2.0
WHOLESALE TRADE	14.3	14.2	14.3	.4	- .3
RETAIL TRADE	52.5	51.9	52.7	1.1	- .5
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.8	- .2	1.5
SERVICES	62.8	62.3	61.1	.9	2.8
GOVERNMENT	47.1	41.8	49.2	12.8	- 4.1
State government (includes education)	15.3	10.5	15.3	45.2	.0
Local government	29.2	28.6	31.2	2.1	- 6.4
Local government, except education	10.9	10.9	12.0	.3	- 8.9
Local government education	18.3	17.7	19.2	3.2	- 4.9

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.46	$418.50	$392.81	41.0	41.6	41.7	$10.06	$10.06	$ 9.42
Durable Goods[d]	421.46	432.85	405.88	40.8	41.5	41.8	10.33	10.43	9.71
Stone, clay, and glass products	432.85	433.39	430.42	41.7	42.2	44.1	10.38	10.27	9.76
Primary metal industries	404.46	403.74	405.35	42.0	42.1	44.3	9.63	9.59	9.15
Fabricated metal products	385.12	384.71	341.34	41.5	41.5	39.1	9.28	9.27	8.73
Metal forgings and stampings	442.90	467.42	422.69	40.3	42.3	41.4	10.99	11.05	10.21
Machinery, except electrical	425.59	421.07	393.23	41.4	41.0	41.7	10.28	10.27	9.43
General industrial machinery	461.14	461.85	396.24	41.1	41.2	39.0	11.22	11.21	10.16
Transportation equipment	491.26	526.25	467.73	40.4	42.1	42.1	12.16	12.50	11.11
Motor vehicles and equipment	491.66	529.20	474.05	40.3	42.1	42.1	12.20	12.57	11.26
Nondurable Goods[e]	373.50	368.34	347.33	41.5	42.0	41.3	9.00	8.77	8.41
Food and kindred products	392.05	386.51	343.58	42.8	45.1	41.9	9.16	8.57	8.20
Petroleum and coal products	593.26	562.76	613.75	45.6	44.0	47.8	13.01	12.79	12.84
Rubber and misc. plastics products	318.33	311.26	284.36	40.5	39.3	38.9	7.86	7.92	7.31
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	603.56	498.19	538.73	38.2	32.1	38.1	15.80	15.52	14.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.94	454.95	426.00	41.6	41.7	42.6	10.84	10.91	10.00
WHOLESALE TRADE	322.37	318.27	290.19	38.7	38.3	38.9	8.33	8.31	7.46
RETAIL TRADE[f]	158.85	158.47	151.00	29.2	29.4	29.9	5.44	5.39	5.05
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	October 1981[b]	September 1981[c]	October 1980[c]	September 1981	October 1980
TOTAL	201.7	202.2	200.1	- .2	.8
MANUFACTURING	68.9	69.3	67.3	- .6	2.4
Durable Goods[e]	62.9	63.3	61.3	- .7	2.5
Stone, clay, and glass products	2.0	2.0	1.8	- 1.7	8.6
Primary metal industries	29.5	30.0	29.5	- 1.4	.1
Blast furnace and basic steel products	15.6	15.6	14.5	.1	7.6
Fabricated metal products	8.6	8.4	9.0	2.4	- 4.4
Fabricated structural metal products	2.6	2.6	2.9	.0	- 10.7
Machinery, except electrical	5.8	5.9	5.1[h]	- 1.6	13.7
Metalworking machinery	2.3	2.4	2.8	- 3.1	- 17.1
Electric and electronic equipment	3.1	3.0	3.1	.5	- 2.3
Transportation equipment	12.0	12.1	10.7[h]	- .8	12.5
Nondurable Goods[f]	6.0	6.0	5.9	.6	1.2
NONMANUFACTURING[g]	132.8	132.9	132.8	- .1	.0
CONSTRUCTION	7.2	7.3	7.8	- 1.1	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.2	9.3	.9	- .5
Communication, electric, gas services	3.3	3.4	3.3	- .4	2.1
WHOLESALE TRADE	7.8	7.8	7.8	- .7	- .6
RETAIL TRADE	36.5	37.0	36.8	- 1.4	- .8
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	.0	2.1
SERVICES	39.2	40.0	37.9	- 1.9	3.6
GOVERNMENT	25.2	23.9	25.7	5.3	- 2.0
Local government (includes education)	19.9	19.2	20.3	3.3	- 2.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on Juna 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
OCTOBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	October 1981[b]	September 1981[c]	October 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]	Oct. 1981[b]	Sep. 1981[c]	Oct. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$470.21	$485.06	$429.04	40.5	41.6	39.8	$11.61	$11.66	$10.78
Durable Goods[d]	481.16	497.12	441.07	40.4	41.6	39.7	11.91	11.95	11.11
Stone, clay, and glass products	312.05	294.38	273.73	39.6	37.5	36.4	7.88	7.85	7.52
Primary metal industries	505.68	535.87	481.18	39.2	41.0	40.3	12.90	13.07	11.94
Blast furnace and basic steel products	553.73	585.16	455.34	41.2	42.9	38.2	13.44	13.64	11.92
Fabricated metal products	459.10	449.85	485.06	40.7	40.6	42.4	11.28	11.08	11.44
Fabricated structural metal products	341.14	320.78	318.78	41.2	39.7	38.5	8.28	8.08	8.28
Machinery, except electrical	447.35	427.96	296.87[h]	39.8	38.8	28.6[h]	11.24	11.03	10.38
Metalworking machinery	453.38	428.96	307.30[h]	40.3	38.3	28.8[h]	11.25	11.20	10.67
Electric and electronic equipment	342.34	345.02	316.01	39.9	40.4	39.9	8.58	8.54	7.92
Transportation equipment	530.86	551.46	441.78	43.3	45.5	39.8	12.26	12.12	11.10
Nondurable Goods[e]	336.98	336.57	290.88	41.5	41.5	40.4	8.12	8.11	7.20
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	540.64	527.99	537.99	38.1	37.0	38.9	14.19	14.27	13.83
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	444.19	450.39	400.40	43.0	43.6	43.1	10.33	10.33	9.29
WHOLESALE TRADE	332.37	331.20	300.62	39.9	40.0	39.4	8.33	8.28	7.63
RETAIL TRADE[f]	155.63	156.38	147.44	29.7	29.9	30.4	5.24	5.23	4.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
NOVEMBER 1981

Unemployment in Ohio, estimated at 562,000 in November, represented 10.9 percent of the civilian labor force--up by nearly 57,000 and a percentage point from October. Total employment slipped .4 percent, to 4,590,000, as nonfarm payroll workers dropped similarly, to 4,386,000.

Factory employment in Ohio totaled 1,221,000 in November, down 1.4 percent from October. Lack of orders led to widespread cutbacks among producers of durable goods. Greatly affected were the automotive industries, as motor vehicle manufacturers and producers of automotive stampings and castings trimmed production staffs. Producers of refrigeration machinery, household appliances, furniture, and plastic products also curtailed operations. Employment in food production slipped, as vegetable processors released temporary cannery workers.

Employment in Ohio's nonmanufacturing industries increased fractionally, to 3,165,000 in November. Retailing rose seasonally, as department and apparel stores added temporary Christmas personnel. Seasonal expansion among public schools and colleges boosted government. These gains were moderated, however, as inclement weather forced slowdowns in outdoor activities.

Average weekly earnings of Ohio's factory production workers rose nearly $5 from October, to a new all-time high of $398.45 in November. The average workweek, at 40.7 hours, was .3 hours longer--reflecting more overtime in several industries. Producers of communication equipment, metal fasteners, paperboard containers, and dairy products reported extra hours. Overtime increases, plus wage-rate hikes, boosted earnings in steel production, aircraft components, and meat processing. Workweek curtailments, however, were reported in the production of metal stampings, electrical industrial apparatus, plastics, and beverages.

Unemployment in Ohio climbed nearly 100,000 between November 1980 and November 1981, lifting the jobless rate from 9.1 to 10.9 percent. Total employment dropped 1.3 percent over the year, as nonfarm payrolls slipped 1.0 percent. Most of the decline in manufacturing occurred among durable-goods industries, notably transportation equipment and nonelectrical machinery. Slippage in food and rubber lowered nondurable goods. Nonmanufacturing dipped fractionally, as gains in services moderated cutbacks in construction and government. Factory production workers averaged nearly $24 more per week in November 1981 than in November 1980, despite an average workweek shorter by .7 hours.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment decreased 1,400 from October, to 260,200 in November. Most of the loss occurred in manufacturing, down 1,100 to 75,000 for the month, due to cutbacks by producers of automotive parts. Nonmanufacturing slipped fractionally, as seasonal losses in services and construction were moderated by gains in education and retailing. The workweek and hourly earnings of the average factory production worker, at 41.1 hours and $9.68 an hour, were little changed from October.

Canton.--Nonfarm employment in Canton totaled 156,900 in November, down slightly from October. Decreases in primary and fabricated metals lowered manufacturing by 300, to 55,500 for November. Seasonal changes resulted in a slight gain for nonmanufacturing. Earnings of factory production workers rose 11¢, to $10.07 an hour. Their average workweek was one hour longer, at 40.7 hours.

Cincinnati.--Nonfarm establishments in Cincinnati employed 609,900 workers in November, down 500 from October. The decrease occurred in nonmanufacturing, as seasonal declines in services and construction were partially offset by preholiday growth in retail trade. Manufacturing, on the other hand, increased 400 for the month, to 162,200 in November. The average workweek for factory production workers, at 40.9 hours, was up .2 hours from October. Their average hourly earnings rose 5¢, to $9.02 for November.

Cleveland.--Cleveland's nonagricultural wage and salary employment totaled 899,500 in November, up 600 from October. Gains in government and retail trade lifted nonmanufacturing, despite seasonal losses in construction and services. Manufacturing employment slipped 1,300, to 249,500 for the month, with largest losses reported in primary metals and motor vehicles. Production workers in manufacturing grossed $9.81 per hour for a workweek of 40.8 hours, little changed from October.

Columbus.--Nonfarm payroll employment in the Columbus area gained 800 from October, to 526,500 in November. Expansion in retailing was mainly responsible for the gain. Manufacturing was down 600, to 93,300 for the month, with declines concentrated among durable-goods producers. The average workweek of factory production workers increased .4 hours, to 40.2, while their hourly earnings rose 11¢, to $8.98 in November.

Dayton.--Nonagricultural establishments in the Dayton area employed 359,000 wage and salary workers in November, down 300 from October. Much of the loss was due to decreases in durable-goods industries, lowering manufacturing 200, to 100,100 for the month. Seasonal gains in retailing moderated shrinkage in other nonmanufacturing industries. The workweek for the average factory production worker, at 41.4 hours, and his average hourly earnings, at $9.97, were little changed from October.

Toledo.--November payroll employment in Toledo totaled 295,500, down 1,300 from October. The loss in manufacturing--down 1,000, to 74,000 in November--was concentrated among durable-goods industries. Nonmanufacturing decreased slightly, as seasonal hiring in education and retail trade was more than offset by losses in construction and services. Average hourly earnings for factory production workers dipped slightly from October, to $10.12 in November. The average workweek, at 41.1 hours, was on par with October.

Youngstown-Warren.--Workers on nonfarm payrolls in the Youngstown-Warren area numbered 202,300 in November, up 800 from October. Nonmanufacturing accounted for the gain as schools added personnel. Manufacturing, at 68,700, was unchanged from October. Increases in fabricated metal products were offset by cutbacks in other industries. Production workers in factories grossed $11.63 per hour, up 9¢ from October. The average workweek, at 40.5 hours, was up .6 hours for the month.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 12-16-81

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	507.3	854.6	409.1	331.4	263.1	195.5
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	246.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.3	534.3	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	873.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.3	860.2	456.1	331.5	282.6	203.5
1977	253.3	149.8	562.1	880.9	471.6	349.1	292.1	208.0
1978	266.6	156.1	591.2	905.6	493.0	358.5	302.1	210.3
1979	270.3	160.7	607.4	919.0	507.3	364.9	305.3	213.9
1980	263.2	157.3	604.0	905.0	515.1	356.5	294.2	205.3
1980								
November.	264.3	156.3	609.6	904.4	526.6	360.1	299.5	202.9
December.	263.7	156.5	610.6	907.1	526.0	361.0	299.7	199.1
1981								
January .	254.5	153.4	595.0	885.6	510.7	352.5	291.0	194.5
February.	256.4	153.0	596.3	881.2	509.8	352.4	287.4	192.8
March ...	258.7	153.2	599.6	886.9	513.6	355.8	292.1	194.9
April ...	260.7	155.8	607.7	895.2	517.3	357.6	295.7	199.7
May	262.8	156.9	610.5	900.4	521.0	358.0	298.0	203.4
June	257.6	157.1	613.9	906.9	522.7	357.4	299.4	204.3
July	255.1	156.5	602.9	901.0	514.2	351.5	290.3	200.8
August ..	255.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	260.3	157.0	611.8	906.8	518.8	358.5	293.2	202.2
October .	261.6	157.0	610.4	899.0	525.7	354.3	296.8	201.5
November.	260.9	156.5	609.5	899.5	526.5	359.0	295.5	202.3
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	96.4	62.8	167.5	296.8	102.2	120.3	89.4	86.1
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	277.9	100.8	114.3	88.8	87.9
1973	94.3	61.7	155.5	298.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.9	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	158.6	265.1	94.2	104.0	84.6	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.3	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	[illegible]	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	[illegible]	164.3	255.0	96.7	99.9	74.9	70.5
1980								
November.	78.0	54.4	164.2	252.5	96.8	99.7	76.5	69.3
December.	77.8	54.5	163.8	253.6	96.3	99.5	77.1	65.2
1981								
January	75.8	54.7	163.2	251.4	95.9	98.9	75.3	65.2
February.	76.3	54.7	162.7	250.0	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.3	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	76.0	56.1	163.0	252.1	94.7	101.6	77.9	69.3
October .	76.1	55.8	161.8	250.8	93.9	100.3	75.0	68.7
November.	75.0	55.5	162.2	249.5	93.3	100.1	74.0	68.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1970	57.3	46.9	116.3	204.2	71.8	96.0	62.7	68.2
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8[k]	43.2	117.0	188.6	69.1	74.4	61.3	62.5
1980	47.6	40.0	107.8	169.3	64.5	65.9	49.3	53.9
1980								
November.	47.1	39.2	108.8	167.2	64.2	66.1	51.0	53.2
December.	46.1	39.5	108.6	168.1	63.8	65.8	51.5	49.2
1981								
January .	44.8	39.6	107.8	166.3	63.0	65.3	49.7	48.9
February.	45.8	39.5	107.4	165.2	62.3	65.3	47.1	47.3
March ...	46.6	38.8	106.7	164.7	62.4	66.2	49.9	50.1
April ...	46.7	39.9	107.1	165.7	62.0	66.2	50.7	53.3
May	46.2	39.9	106.9	165.9	62.4	66.4	50.7	53.2
June	45.9	40.5	107.6	167.9	62.3	66.1	51.0	53.2
July	44.6	40.8	105.7	166.5	61.3	65.6	49.3	52.1
August ..	44.2	40.9	105.8	164.3	60.8	64.8	50.1	50.1
September	45.5	41.0	107.5	166.7	61.8	67.3	52.0	52.6
October .	44.8	40.7	106.5	165.5	60.8	66.3	49.4	52.2
November.	43.7	40.3	106.9	164.1	60.2	66.1	48.5	52.2
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1970	40.7	40.3	40.8	40.3	40.2	40.9	41.1	40.0
1971	40.6	38.9	41.0	40.5	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1980								
November.	42.3	39.2	41.9	41.5	39.7	42.4	41.3	41.6
December.	42.5	40.4	42.6	42.6	40.4	43.1	41.7	41.7
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.7	40.8	41.5
February.	41.5	40.0	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.8	40.1	41.2	41.0	40.0	40.9	41.6	41.6
October .	41.2	39.7	40.7	40.8	39.8	41.3	41.1	39.9
November.	41.1	40.7	40.9	40.8	40.2	41.4	41.1	40.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1970	$4.04	$3.78	$3.62	$3.84	$3.51	$4.18	$3.91	$4.03
1971	4.36	4.09	3.89	4.15	3.77	4.49	4.26	4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1980								
November.	9.14	9.12	8.43	9.11	8.23	9.21	9.44	11.01
December.	9.15	9.29	8.52	9.32	8.28	9.31	9.56	11.26
1981								
January .	9.19	9.27	8.52	9.26	8.27	9.32	9.53	11.34
February.	9.22	9.55	8.53	9.31	8.30	9.25	9.50	11.43
March ...	9.31	9.60	8.58	9.40	8.36	9.39	9.65	11.59
April ...	9.36	9.67	8.59	9.53	8.45	9.57	9.66	11.62
May	9.50	9.67	8.68	9.59	8.47	9.52	9.71	11.58
June	9.53	9.76	8.67	9.78	8.57	9.72	9.91	11.67
July	9.57	9.73	8.71	9.64	8.51	9.66	9.85	11.61
August ..	9.60	9.78	8.78	9.71	8.63	9.87	9.85	11.76
September	9.64	9.96	8.91	9.78	8.77	9.72	10.06	11.66
October .	9.66	9.96	8.97	9.82	8.87	9.98	10.13	11.54
November.	9.68	10.07	9.02	9.81	8.98	9.97	10.12	11.63
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1970	$164.43	$152.33	$147.70	$154.75	$141.10	$170.96	$160.70	$161.20
1971	177.02	159.10	159.49	168.49	149.29	182.29	176.36	184.64
1972	197.03	181.89	173.83	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.94	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	319.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	309.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1980								
November.	386.62	357.50	358.22	378.07	326.73	390.50	389.87	458.02
December.	388.88	375.32	362.95	397.03	334.51	401.26	398.65	469.54
1981								
January .	385.98	368.02	355.28	381.51	331.63	388.64	388.82	470.61
February.	382.63	382.00	349.73	381.71	329.51	379.25	380.95	464.06
March ...	390.09	386.88	352.64	389.16	333.56	388.75	397.58	471.65
April ...	394.06	386.80	350.47	392.64	335.47	401.94	394.13	479.91
May	402.80	387.77	359.35	398.94	337.95	397.94	400.05	472.46
June	404.07	394.30	358.07	411.74	341.94	413.10	409.28	483.14
July	400.98	387.25	356.24	392.35	335.29	401.86	397.94	470.21
August ..	400.32	387.29	356.47	400.05	347.79	413.55	396.96	491.57
September	393.31	399.40	367.09	400.98	350.80	397.55	418.50	485.06
October .	397.99	395.41	365.08	400.66	353.03	412.17	416.34	460.45
November.	397.85	409.85	368.92	400.25	361.00	412.76	415.93	471.02

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		AKRON[b]					CANTON[c]		
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
October	309.2	282.8	26.4	8.5	October ...	190.1	172.3	17.8	9.4
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September ..	300.8	271.3	29.5	9.8	September .	187.4	167.2	20.1	10.7
October[p] ...	299.8	271.4	28.4	9.5	October[p] ..	185.0	167.6	17.4	9.4
		CINCINNATI[d]					CLEVELAND[e]		
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
October	691.9	642.3	49.7	7.2	October ...	958.2	887.0	71.2	7.4
November ...	679.9	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September ..	695.2	631.1	64.1	9.2	September .	936.4	853.0	83.4	8.9
October[p] ...	694.7	631.4	63.3	9.1	October[p] ..	936.4	856.2	80.3	8.6

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1970	433.5	415.4	18.1	4.2	1970	353.8	337.6	16.2	4.6
1971	445.4	425.5	19.9	4.5	1971	349.3	326.0	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.6	336.3	17.3	4.9
1973	485.3	468.2	17.1	3.5	1973	357.9	343.4	14.5	4.0
1974	494.7	474.7	19.9	4.0	1974	358.9	341.9	17.0	4.7
1975	493.5	457.1	36.4	7.4	1975	356.5	326.7	29.8	8.4
1976	501.7	466.7	35.0	7.0	1976	359.2	335.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	366.6	346.4	20.2	5.5
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	557.4	525.8	31.6	5.7	1980	389.0	359.8	29.2	7.5
1980					1980				
October	578.5	544.6	33.9	5.9	October ...	398.3	370.1	28.2	7.1
November ...	571.2	532.4	38.8	6.8	November ..	390.8	360.8	30.0	7.7
December ...	557.9	524.4	33.6	6.0	December ..	384.2	356.6	27.5	7.2
1981					1981				
January	550.4	508.2	42.2	7.7	January ...	379.5	347.5	32.0	8.4
February ...	548.2	506.5	41.6	7.6	February ..	377.8	347.3	30.5	8.1
March	562.0	520.9	41.1	7.3	March	387.5	357.5	30.0	7.8
April	566.6	532.5	34.1	6.0	April	389.1	364.3	24.8	6.4
May	578.5	540.8	37.8	6.5	May	397.2	369.4	27.8	7.0
June	577.1	536.2	40.9	7.1	June	393.7	364.0	29.7	7.5
July	583.7	538.0	45.8	7.8	July	399.2	364.1	35.1	8.8
August	579.5	534.9	44.6	7.7	August	394.7	360.9	33.8	8.6
September ..	571.9	522.3	49.6	8.7	September .	391.3	357.1	34.3	8.8
October[p] ...	575.8	529.7	46.1	8.0	October[p] ..	392.1	358.8	33.2	8.5
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1970	315.8	298.4	17.4	5.5	1970	218.5	205.1	13.4	6.1
1971	319.3	300.3	19.1	6.0	1971	225.0	207.1	17.9	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	343.8	324.2	19.7	5.7	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.9	328.5	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.4	6.2	1978	234.3	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	237.5	209.5	28.0	11.8
1980					1980				
October	374.6	338.5	36.2	9.7	October ...	241.5	214.0	27.5	11.4
November ...	370.8	331.8	39.0	10.5	November ..	236.5	207.3	29.2	12.4
December ...	364.2	327.9	36.3	10.0	December ..	230.8	200.8	29.9	13.0
1981					1981				
January	357.9	317.8	40.1	11.2	January ...	231.4	195.8	35.6	15.4
February ...	356.8	313.8	43.0	12.1	February ..	228.3	193.8	34.5	15.1
March	364.6	324.6	40.0	11.0	March	228.4	200.8	27.6	12.1
April	365.9	333.8	32.1	8.8	April	229.5	208.3	21.1	9.2
May	373.9	340.2	33.8	9.0	May	234.1	213.1	21.0	9.0
June	374.1	339.3	34.7	9.3	June	233.5	211.5	22.0	9.4
July	375.1	335.4	39.6	10.6	July	237.1	211.8	25.3	10.7
August	372.2	332.5	39.8	10.7	August	234.2	206.8	27.4	11.7
September ..	367.8	326.6	41.2	11.2	September .	231.0	205.2	25.8	11.2
October[p] ...	374.0	331.8	42.2	11.3	October[p] ..	230.2	204.9	25.3	11.0

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
November.	5,112	4,649	463	9.1	7.1
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5
November.	5,151	4,590	562	10.9	7.9

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
November.	4,430.3	1,261.2	3,169.0
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,330.8	1,247.7	3,083.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,398.0	1,258.6	3,139.5
October .	4,402.1	1,237.8	3,164.3
November.	4,386.0	1,220.7	3,165.3

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	588.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	597.3	156.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	709.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	647.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	183.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	689.6
1980								
November.	31.3	187.7	224.9	228.6	751.6	206.4	835.5	703.1
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	703.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	632.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.3	180.9	221.8	228.2	742.5	209.2	868.3	682.0
November.	31.3	175.5	221.4	228.1	750.7	208.8	862.5	687.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	1,409.9	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.8	936.1	397.7	958.1	160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	409.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.2	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,392.3	990.5	401.8	979.0	318.5	40.6
1980	1,267.5	885.2	382.3	869.9	302.8	35.3
1980						
November.	1,261.2	881.4	379.8	869.2	325.7	36.0
December.	1,253.3	874.7	378.6	861.2	333.2	36.3
1981						
January .	1,239.9	864.3	375.6	848.5	319.8	34.9
February.	1,237.1	862.9	374.2	845.7	316.6	34.3
March ...	1,247.7	873.9	373.7	856.5	326.8	35.0
April ...	1,256.5	881.4	375.1	865.4	334.9	35.5
May	1,256.4	881.2	375.2	865.3	338.4	35.7
June	1,261.2	884.6	376.6	869.0	345.4	36.0
July	1,247.2	872.9	374.3	854.3	331.6	34.7
August ..	1,242.7	866.2	376.5	850.8	335.1	34.8
September	1,258.6	878.6	380.0	866.7	344.0	35.5
October .	1,237.8	864.0	373.8	847.1	333.3	34.2
November.	1,220.7	849.9	370.8	830.4	330.9	33.8

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.53	$147.46	40.6	40.6	40.4	$3.82	$3.88	$3.65
1971	167.68	171.36	158.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980									
November.	374.67	387.61	340.71	41.4	41.5	41.1	9.05	9.34	8.31
December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981									
January .	376.89	387.96	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	411.26	368.34	40.7	40.8	40.7	9.79	10.08	9.05

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.9	81.8	71.2	100.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
November.	64.2	135.8	156.3	210.0	106.4	146.1	71.6	67.6	92.3
December.	63.3	138.4	155.3	210.4	106.0	139.2	71.1	67.3	92.2
1981									
January .	62.7	138.3	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.3	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.3	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	155.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	153.4	204.1	106.6	133.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.1	138.1	154.5	204.0	105.5	135.6	70.5	67.4	88.5
November.	62.0	136.0	153.1	202.1	103.0	131.6	69.2	67.0	87.6
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.88	$162.41	$161.16	$160.63	$149.11	$175.03	$152.31	$163.51	$153.54
1971	162.96	177.96	173.40	169.33	159.20	198.55	169.49	173.82	162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	270.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1980									
November.	339.87	460.10	375.66	372.59	340.72	455.18	348.98	336.42	351.46
December.	344.00	476.43	388.44	387.82	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.95	463.56	379.61	377.10	341.07	450.94	352.79	336.93	358.11
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.03	359.96
October .	356.65	475.61	390.98	393.72	366.93	477.02	368.33	356.45	374.54
November.	366.33	489.23	388.40	404.21	367.74	476.10	379.74	364.38	370.58

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	4386.0	4402.1	4430.3	- .4	- 1.0
MANUFACTURING	1220.7	1237.8	1261.2	- 1.4	- 3.2
Durable Goods[e]	849.9	864.0	881.4	- 1.6	- 3.6
Lumber and wood products	13.0	13.2	13.1	- 1.2	- .9
Furniture and fixtures	13.9	15.1	15.2	- 8.1	- 8.9
Household furniture	5.9	7.0	6.7	- 14.9	- 12.2
Stone, clay, and glass products	62.0	62.1	64.2	- .3	- 3.5
Glass and glassware, pressed or blown.	14.9	14.9	15.3	.4	- 2.5
Structural clay products	6.3	6.4	6.8	- 2.1	- 8.2
Pottery and related products	6.6	6.7	7.2	- .4	- 7.9
Primary metal industries	136.0	138.1	135.8	- 1.5	.2
Blast furnace and basic steel products	71.0	71.4	68.5	- .6	3.6
Iron and steel foundries	27.3	28.5	28.1	- 4.4	- 2.9
Nonferrous rolling and drawing	19.9	19.9	21.0	.5	- 4.9
Nonferrous foundries	9.3	9.8	10.0	- 5.5	- 7.1
Fabricated metal products	153.1	154.5	156.3	- .9	- 2.1
Cutlery, hand tools, and hardware	13.4	13.5	14.1	- .6	- 4.7
Plumbing and heating, except electric.	5.6	5.9	5.6	- 5.0	.0
Fabricated structural metal products .	35.6	35.4	37.5	.6	- 5.2
Screw machine products, bolts, etc. ..	11.0	11.1	10.4	- 1.0	6.2
Metal forgings and stampings	42.3	43.5	44.2	- 2.7	- 4.2
Machinery, except electrical	202.1	204.0	210.0	- .9	- 3.8
Construction and related machinery ...	26.4	26.3	25.8	.1	2.0
Metalworking machinery	54.3	54.5	57.0	- .4	- 4.9
Special industry machinery	22.4	22.3	23.9	.1	- 6.3
General industrial machinery	37.7	37.7	38.7	- .2	- 2.8
Electric and electronic equipment	103.0	105.5	106.4	- 2.4	- 3.2
Electrical industrial apparatus	24.0	24.4	24.4	- 1.5	- 1.7
Household appliances	20.6	21.5	20.4	- 4.1	1.1
Electric lighting and wiring equipment	19.5	20.0	20.4	- 2.3	- 4.3
Communication equipment	11.9	12.1	12.7	- 1.8	- 6.5
Transportation equipment	131.6	135.6	146.1	- 3.0	- 9.9
Motor vehicles and equipment	85.9	89.6	97.1	- 4.2	- 11.5
Aircraft and parts	36.2	36.5	38.8	- .8	- 6.9
Instruments and related products	20.6	20.9	20.1	- 1.1	2.7
Measuring and controlling devices	12.3	12.6	12.1	- 2.1	1.6
Nondurable Goods[f]	370.8	373.8	379.8	- .8	- 2.4
Food and kindred products	69.2	70.5	71.6	- 2.0	- 3.4
Meat products	11.4	11.3	12.1	1.0	- 5.5
Dairy products	11.5	11.6	12.0	- .6	- 4.0
Bakery products	11.1	11.1	12.3	- .1	- 10.0
Beverages	10.9	11.1	10.9	- 1.8	- .3
Textile mill products	5.1	5.0	5.2	1.5	- 2.8
Apparel and other textile products	17.4	17.5	16.9	- .5	2.8
Paper and allied products	38.5	38.5	38.7	.2	- .4
Paper mills, except building paper ...	10.0	10.0	10.0	.8	.2
Misc. converted paper products	11.9	11.8	11.8	.5	1.0
Paperboard containers and boxes	13.1	13.1	13.4	- .2	- 2.2
Printing and publishing	67.0	67.4	67.6	- .6	- .8
Newspapers	19.8	19.8	19.9	.0	- .3
Commercial printing	25.9	26.4	26.7	- 1.8	- 2.9
Chemicals and allied products	67.7	68.1	68.2	- .6	- .8
Industrial inorganic chemicals	13.0	13.0	13.1	.3	- .2
Plastics materials and synthetics	9.3	9.7	9.7	- 3.5	- 3.5
Petroleum and coal products	12.7	12.7	13.5	- .1	- 5.9
Rubber and misc. plastics products	87.6	88.5	92.3	- 1.0	- 5.2
Tires and inner tubes	23.6	23.9	25.9	- 1.3	- 9.0
Miscellaneous plastics products	43.3	43.7	45.3	- .9	- 4.5
Leather and leather products	5.5	5.5	5.7	.5	- 2.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.45	$393.50	$374.67	40.7	40.4	41.4	$ 9.79	$ 9.74	$ 9.05
Durable Goods[d]	411.26	405.21	387.61	40.8	40.4	41.5	10.08	10.03	9.34
Lumber and wood products	263.14	262.40	236.68	39.1	39.4	38.8	6.73	6.66	6.10
Furniture and fixtures	297.31	280.28	268.02	39.8	38.5	38.9	7.47	7.28	6.89
Household furniture	257.36	240.78	226.31	38.7	37.1	37.1	6.65	6.49	6.10
Stone, clay, and glass products	366.33	356.65	339.87	41.3	40.9	41.6	8.87	8.72	8.17
Glass and glassware, pressed or blown	392.35	370.05	358.40	40.2	39.2	40.0	9.76	9.44	8.96
Structural clay products	273.91	285.80	257.15	40.4	41.3	39.5	6.78	6.92	6.51
Pottery and related products	273.56	267.75	261.19	38.1	37.5	39.1	7.18	7.14	6.68
Primary metal industries	489.23	475.61	460.10	40.6	39.9	41.6	12.05	11.92	11.06
Blast furnace and basic steel products	529.74	511.53	483.11	40.5	39.5	40.7	13.08	12.95	11.87
Iron and steel foundries	449.49	446.89	421.82	40.9	40.7	41.6	10.99	10.98	10.14
Nonferrous rolling and drawing	464.49	450.30	501.99	39.0	38.0	43.5	11.91	11.85	11.54
Nonferrous foundries	338.55	342.35	325.21	40.4	41.0	40.6	8.38	8.35	8.01
Fabricated metal products	388.40	390.98	375.66	40.0	40.1	40.7	9.71	9.75	9.23
Cutlery, hand tools, and hardware	399.78	402.38	392.82	39.7	39.8	39.4	10.07	10.11	9.97
Plumbing and heating, except electric	314.42	309.28	283.46	39.5	39.6	38.1	7.96	7.81	7.44
Fabricated structural metal products	351.74	350.56	334.43	39.7	39.3	40.1	8.86	8.92	8.34
Screw machine products, bolts, etc.	362.80	346.32	320.93	40.0	39.0	38.9	9.07	8.88	8.25
Metal forgings and stampings	448.67	463.05	458.55	39.6	40.3	41.8	11.33	11.49	10.97
Machinery, except electrical	404.21	393.72	372.59	41.5	40.8	42.1	9.74	9.65	8.85
Construction and related machinery	408.59	404.56	365.38	40.9	40.7	41.1	9.99	9.94	8.89
Metalworking machinery	401.85	392.35	385.24	41.3	40.7	42.9	9.73	9.64	8.98
Special industry machinery	381.85	372.80	341.74	42.1	41.7	42.4	9.07	8.94	8.06
General industrial machinery	396.01	398.05	362.07	40.7	40.7	40.5	9.73	9.78	8.94
Electric and electronic equipment	367.74	366.99	340.72	40.5	40.5	41.2	9.08	9.06	8.27
Electrical industrial apparatus	358.97	370.71	341.43	40.7	41.7	42.1	8.82	8.89	8.11
Household appliances	392.63	397.64	337.60	39.7	40.7	40.0	9.89	9.77	8.44
Electric lighting and wiring equipment	329.66	332.07	318.27	40.8	40.3	40.7	8.08	8.24	7.82
Communication equipment	423.12	393.82	358.51	41.2	38.8	38.8	10.27	10.15	9.24
Transportation equipment	476.10	477.02	455.18	41.4	41.3	42.5	11.50	11.55	10.71
Motor vehicles and equipment	489.91	498.83	470.64	41.1	41.5	42.4	11.92	12.02	11.10
Aircraft and parts	446.88	422.01	418.89	42.0	40.5	42.7	10.64	10.42	9.81
Instruments and related products	279.40	272.35	256.41	39.8	39.3	40.7	7.02	6.93	6.30
Measuring and controlling devices	279.97	273.92	259.34	39.6	39.3	41.1	7.07	6.97	6.31
Nondurable Goods[e]	368.34	364.41	340.71	40.7	40.4	41.0	9.05	9.02	8.31
Food and kindred products	379.74	368.33	348.98	42.1	41.2	42.3	9.02	8.94	8.25
Meat products	444.65	404.38	401.99	44.2	40.6	43.6	10.06	9.96	9.22
Dairy products	367.44	348.99	329.81	43.9	42.2	43.0	8.37	8.27	7.67
Bakery products	367.52	368.33	330.80	40.7	41.2	40.0	9.03	8.94	8.27
Beverages	334.62	354.89	319.50	39.6	40.1	42.6	8.45	8.85	7.50
Textile mill products	266.51	260.56	251.20	39.6	39.3	40.0	6.73	6.63	6.28
Apparel and other textile products	211.68	210.18	191.88	37.4	37.2	36.9	5.66	5.65	5.20
Paper and allied products	382.30	367.95	348.44	43.1	42.1	43.5	8.87	8.74	8.01
Paper mills, except building paper	487.87	471.42	449.64	46.2	46.4	48.4	10.56	10.16	9.29
Misc. converted paper products	334.02	328.80	300.35	41.7	41.1	41.2	8.01	8.00	7.29
Paperboard containers and boxes	339.47	321.97	316.59	41.5	39.7	42.1	8.18	8.11	7.52
Printing and publishing	364.38	356.45	336.42	38.6	37.8	38.1	9.44	9.43	8.83
Newspapers	325.69	325.04	305.84	33.2	33.1	33.1	9.81	9.82	9.24
Commercial printing	390.26	380.82	358.30	40.4	39.3	39.9	9.66	9.69	8.98
Chemicals and allied products	395.35	396.47	360.14	40.8	41.0	41.3	9.69	9.67	8.72
Industrial inorganic chemicals	439.07	439.30	395.91	41.5	41.6	41.5	10.58	10.56	9.54
Plastics materials and synthetics	411.46	425.00	383.11	41.9	42.8	42.1	9.82	9.93	9.10
Petroleum and coal products	537.14	549.76	499.76	42.8	44.3	43.8	12.55	12.41	11.41
Rubber and misc. plastics products	370.58	374.54	351.46	40.5	40.8	41.3	9.15	9.18	8.51
Tires and inner tubes	512.19	506.88	459.24	42.4	42.1	42.8	12.08	12.04	10.73
Miscellaneous plastics products	353.23	360.00	341.52	39.6	40.0	40.9	8.92	9.00	8.35
Leather and leather products	186.00	188.50	170.66	36.4	37.4	37.1	5.11	5.04	4.60

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
NONMANUFACTURING	3165.3	3164.3	3169.0	.0	- .1
MINING	31.3	31.3	31.3	- .2	- .1
Bituminous coal and lignite mining	14.9	14.9	15.7	.1	- 5.2
CONSTRUCTION	175.5	180.9	187.7	- 3.0	- 6.5
General building contractors	43.5	44.9	47.5	- 3.0	- 8.5
Heavy construction contractors	25.9	27.5	27.3	- 5.8	- 5.1
TRANSPORTATION AND PUBLIC UTILITIES	221.4	221.8	224.9	- .2	- 1.6
Railroad transportation	28.1	28.1	29.3	.2	- 4.1
Transportation, except railroads	98.1	98.5	101.0	- .4	- 2.8
Trucking and warehousing	74.7	74.6	76.7	.1	- 2.7
Communication, electric, gas services	95.2	95.3	94.6	- .1	.6
Communication	54.4	54.5	54.1	- .1	.5
Electric, gas, and sanitary services	40.8	40.8	40.5	.0	.6
WHOLESALE TRADE	228.1	228.2	228.6	- .1	- .2
Wholesale trade-durable goods	146.3	146.4	147.2	- .1	- .6
Motor vehicles & automotive equipment	19.7	19.8	20.9	- .5	- 6.0
Electrical goods	18.7	18.6	18.7	.4	.1
Machinery, equipment, and supplies	63.4	63.5	62.4	- .1	1.7
Wholesale trade-nondurable goods	81.8	81.8	81.3	.0	.5
Groceries and related products	23.8	23.8	23.5	.1	1.1
RETAIL TRADE	750.7	742.5	751.6	1.1	- .1
General merchandise stores	127.1	119.9	131.4	6.0	- 3.3
Department stores	116.7	109.8	120.4	6.3	- 3.1
Food stores	120.7	119.6	120.1	.9	.4
Automotive dealers & service stations	73.2	74.1	77.5	- 1.2	- 5.6
Apparel and accessory stores	37.5	36.2	37.5	3.5	- .1
FINANCE, INSURANCE, AND REAL ESTATE	208.8	209.2	206.4	- .2	1.1
Banking	59.0	59.0	58.7	.0	.5
Credit agencies other than banks	30.5	30.5	30.8	- .3	- 1.2
Insurance carriers	59.4	59.3	58.9	.3	1.0
SERVICES	862.5	868.3	835.5	- .7	3.2
Hotels and other lodging places	29.9	29.8	30.7	.4	- 2.5
Laundry, cleaning, & garment services	17.8	17.7	18.0	.7	- 1.3
Business services	125.5	126.2	121.3	- .6	3.4
Health services	300.8	299.9	285.2	.3	5.5
Hospitals	167.3	167.0	160.4	.1	4.3
GOVERNMENT	687.1	682.0	703.1	.7	- 2.3
Federal government	88.1	88.6	89.0	- .5	- 1.0
State government	148.5	146.8	149.6	1.1	- .7
State government, except education	71.2	71.0	71.5	.3	- .4
State government education	77.3	75.8	78.1	1.9	- 1.1
Local government	450.5	446.7	464.6	.9	- 3.0
Local government, except education	184.6	184.6	194.0	.0	- 4.8
Local government education	265.8	262.0	270.6	1.5	- 1.7

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1981 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$456.67	$452.45	$413.02	43.7	43.8	42.8	$10.45	$10.33	$ 9.65
Bituminous coal and lignite mining	534.32	526.92	463.50	43.3	42.7	41.2	12.34	12.34	11.25
CONSTRUCTION	524.63	537.46	483.60	37.5	38.5	37.9	13.99	13.96	12.76
General building contractors	478.03	485.65	443.63	36.8	37.3	37.0	12.99	13.02	11.99
Heavy construction contractors	517.25	547.02	491.53	38.4	40.4	39.8	13.47	13.54	12.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	440.59	440.67	423.29	36.9	37.0	38.1	11.94	11.91	11.11
Communication, electric, gas services ..	410.06	412.90	373.30	40.4	40.6	40.4	10.15	10.17	9.24
Communication	398.56	407.60	366.16	39.5	40.0	39.8	10.09	10.19	9.20
Electric, gas, and sanitary services .	424.13	419.80	381.82	41.5	41.4	41.1	10.22	10.14	9.29
WHOLESALE TRADE	306.15	301.86	283.42	39.0	38.9	39.2	7.85	7.76	7.23
Wholesale trade-durable goods	301.45	297.92	281.56	39.2	39.2	39.6	7.69	7.60	7.11
Motor vehicles & automotive equipment.	279.63	275.48	267.33	39.0	38.8	38.8	7.17	7.10	6.89
Electrical goods	250.61	252.08	236.12	36.8	37.4	37.9	6.81	6.74	6.23
Machinery, equipment, and supplies ...	319.16	310.05	294.92	39.5	39.0	39.8	8.08	7.95	7.41
Wholesale trade-nondurable goods	314.67	310.31	286.44	38.8	38.5	38.5	8.11	8.06	7.44
Groceries and related products	350.99	336.84	321.40	41.1	40.1	41.1	8.54	8.40	7.82
RETAIL TRADE[f]	153.01	151.84	145.53	29.2	29.2	29.7	5.24	5.20	4.90
General merchandise stores	149.86	150.88	140.66	29.5	29.7	29.8	5.08	5.08	4.72
Department stores	151.12	152.87	141.97	29.4	29.8	29.7	5.14	5.13	4.78
Food stores	238.70	234.18	221.75	32.3	32.3	32.9	7.39	7.25	6.74
Automotive dealers & service stations ..	196.35	197.00	200.26	37.4	37.1	38.0	5.25	5.31	5.27
Apparel and accessory stores	112.71	111.92	105.18	26.9	27.1	26.9	4.19	4.13	3.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	188.67	187.43	174.87	....	....	....	....	....	....
Credit agencies other than banks	192.03	195.56	180.00	....	....	....	....	....	....
Insurance carriers	260.48	257.61	237.49	....	....	....	....	...	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services ..	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	246.23	242.15	218.52	33.5	33.4	34.0	7.35	7.25	6.43
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education ...	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	260.2	261.6	264.4	- .5	- 1.6
MANUFACTURING	75.0	76.1	78.8	- 1.4	- 4.8
Durable Goods[e]	38.1	38.8	39.1	- 1.6	- 2.3
Stone, clay, and glass products	2.1	2.1	2.1	- 1.5	.3
Fabricated metal products	14.3	14.9	15.7	- 4.1	- 8.6
Machinery, except electrical	11.4	11.4	11.3	.0	.6
Special industry machinery	2.2	2.2	2.4	- .3	- 7.4
Nondurable Goods[f]	36.9	37.3	39.8	- 1.1	- 7.2
Food and kindred products	2.4	2.4	3.1	.2	- 21.1
Chemicals and allied products	3.6	3.6	3.5	.6	3.2
Rubber and misc. plastics products	25.6	26.0	28.0	- 1.6	- 8.8
Tires and inner tubes	19.4	19.7	21.8	- 1.7	- 11.0
NONMANUFACTURING[g]	185.1	185.5	185.6	- .2	- .2
CONSTRUCTION	8.0	8.3	8.5	- 3.8	- 5.4
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.8	14.0	- .5	- 2.1
Communication, electric, gas services	5.4	5.5	5.4	- .4	1.7
WHOLESALE TRADE	11.8	11.9	11.7	- .3	1.2
RETAIL TRADE	45.0	44.7	45.7	.8	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	9.0	9.1	9.2	- .4	- 2.3
SERVICES	51.7	52.4	50.0	- 1.3	3.4
GOVERNMENT	45.5	45.0	46.1	1.0	- 1.4
State government (includes education)	14.7	14.5	14.7	1.6	.4
Local government (includes education)	28.7	28.5	29.4	.8	- 2.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$397.85	$397.99	$386.62	41.1	41.2	42.3	$ 9.68	$ 9.66	$ 9.14
Durable Goods[d]	386.34	383.35	377.10	41.1	41.0	41.9	9.40	9.35	9.00
Stone, clay, and glass products	364.75	363.19	363.93	40.8	40.9	43.9	8.94	8.88	8.29
Fabricated metal products	357.34	364.62	392.98	38.3	38.3	40.1	9.33	9.52	9.80
Machinery, except electrical	403.85	401.94	362.02	43.1	43.5	43.2	9.37	9.24	8.38
Special industry machinery	362.06	359.10	334.78	42.1	42.0	41.9	8.60	8.55	7.99
Nondurable Goods[e]	412.23	416.07	397.11	41.1	41.4	42.7	10.03	10.05	9.30
Food and kindred products	416.21	393.75	366.12	46.4	45.0	45.2	8.97	8.75	8.10
Chemicals and allied products	398.78	401.70	396.88	40.9	41.8	44.0	9.75	9.61	9.02
Rubber and misc. plastics products	436.77	434.29	410.13	41.4	41.4	42.5	10.55	10.49	9.65
Tires and inner tubes	532.97	530.02	480.82	42.4	42.3	43.2	12.57	12.53	11.13
NONMANUFACTURING	.....	......	......	....	....	....	....	....	....
CONSTRUCTION	536.84	550.34	509.44	39.1	40.2	39.8	13.73	13.69	12.80
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	411.89	416.36	374.13	40.5	40.7	40.1	10.17	10.23	9.33
WHOLESALE TRADE	282.75	278.78	271.99	37.6	38.4	38.8	7.52	7.26	7.01
RETAIL TRADE[f]	173.65	174.23	158.17	30.2	30.3	30.3	5.75	5.75	5.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	156.9	157.0	156.3	- .1	.4
MANUFACTURING	55.5	55.8	54.4	- .6	1.9
Durable Goods[e]	43.5	43.9	42.3	- .8	3.0
Stone, clay, and glass products	2.3	2.3	2.3	- .6	2.9
Primary metal industries	14.2	14.4	13.5	- 1.4	5.3
Fabricated metal products	9.4	9.5	9.7	- 1.7	- 3.3
Fabricated structural metal products	3.5	3.4	3.8	2.9	- 7.5
Metal forgings and stampings	2.6	2.8	2.7	- 8.3	- 4.9
Nondurable Goods[f]	11.9	11.9	12.2	.2	- 2.1
Food and kindred products	4.2	4.2	4.3	.2	- 1.5
Rubber and misc. plastics products	3.2	3.2	3.2	- .5	- 1.7
NONMANUFACTURING[g]	101.5	101.3	101.8	.2	- .3
CONSTRUCTION	5.4	5.5	5.9	- 2.8	- 9.4
TRANSPORTATION AND PUBLIC UTILITIES	7.3	7.2	7.2	.7	1.4
Communication, electric, gas services	3.1	3.0	3.0	1.5	3.1
WHOLESALE TRADE	7.1	7.1	7.1	.1	.2
RETAIL TRADE	26.1	25.9	26.1	.7	- .1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	.1	1.8
SERVICES	29.8	29.9	28.9	- .3	3.1
GOVERNMENT	18.5	18.3	19.2	1.1	- 3.8
Local government (includes education)	15.3	15.1	15.9	1.1	- 3.8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.85	$395.41	$357.50	40.7	39.7	39.2	$10.07	$ 9.96	$ 9.12
Durable Goods[d]	416.93	402.73	358.21	40.4	39.6	38.6	10.32	10.17	9.28
Stone, clay, and glass products	275.33	281.78	241.72	42.1	42.5	40.9	6.54	6.63	5.91
Primary metal industries	487.62	448.25	416.43	40.1	37.7	38.1	12.16	11.89	10.93
Fabricated metal products	407.38	398.73	381.18	39.9	38.9	39.5	10.21	10.25	9.65
Fabricated structural metal products .	412.82	379.66	321.48	43.5	41.0	37.6	9.49	9.26	8.55
Metal forgings and stampings	467.28	458.95	467.49	39.6	38.6	40.9	11.80	11.89	11.43
Nondurable Goods[e]	377.80	356.33	356.10	41.7	39.2	41.6	9.06	9.09	8.56
Food and kindred products	443.41	415.01	394.15	42.8	39.6	41.1	10.36	10.48	9.59
Rubber and misc. plastics products	380.07	378.45	360.28	45.3	45.0	44.7	8.39	8.41	8.06
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	524.78	519.92	481.26	38.0	38.3	39.0	13.81	13.56	12.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	422.10	427.24	387.50	41.1	41.2	41.4	10.27	10.37	9.36
WHOLESALE TRADE	289.42	283.71	269.35	38.9	38.6	38.7	7.44	7.35	6.96
RETAIL TRADE[f]	145.00	144.71	138.06	29.0	29.0	29.5	5.00	4.99	4.68
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	609.9	610.4	609.6	- .1	.0
MANUFACTURING	162.2	161.8	164.2	.3	- 1.2
Durable Goods[e]	90.2	89.8	91.1	.5	- 1.0
Furniture and fixtures	2.5	2.5	2.8	- 1.0	- 9.9
Primary metal industries	2.5	2.5	2.2	- .3	15.5
Fabricated metal products	14.4	14.4	15.0	- .4	- 4.5
Fabricated structural metal products	5.0	5.0	5.5	.0	- 9.0
Machinery, except electrical	26.0	25.7	26.2	.9	- .8
Metalworking machinery	13.3	13.3	13.5	- .1	- 1.5
General industrial machinery	3.9	3.8	4.0	2.4	- 3.4
Electric and electronic equipment	9.2	9.2	8.8	- .3	4.3
Transportation equipment	24.2	23.8	25.1	1.9	- 3.5
Motor vehicles and equipment	8.9	8.1	8.7	9.5	2.3
Nondurable Goods[f]	72.0	72.0	73.1	- .1	- 1.6
Food and kindred products	16.6	16.5	17.2	.1	- 3.7
Meat products	2.1	2.0	2.3	4.5	- 10.5
Bakery products	2.5	2.5	2.9	1.6	- 13.1
Beverages	5.4	5.4	5.3	- 1.2	.6
Apparel and other textile products	4.5	4.6	4.0	- 3.4	11.5
Paper and allied products	7.2	7.2	7.3	1.1	- .5
Printing and publishing	12.2	12.2	12.6	.2	- 3.0
Chemicals and allied products	22.7	22.7	22.6	.0	.5
Rubber and misc. plastics products	4.7	4.7	4.7	- .3	- .3
NONMANUFACTURING[g]	447.6	448.5	445.4	- .2	.5
CONSTRUCTION	26.0	26.8	27.6	- 3.0	- 5.9
TRANSPORTATION AND PUBLIC UTILITIES	33.5	33.6	34.1	- .3	- 1.7
Communication, electric, gas services	14.1	14.1	14.1	- .1	- .3
WHOLESALE TRADE	39.1	39.0	38.5	.2	1.6
RETAIL TRADE	105.5	103.9	104.7	1.5	.7
FINANCE, INSURANCE, AND REAL ESTATE	33.6	33.7	33.3	- .4	.8
Banking	7.3	7.3	7.4	- .1	- 1.0
Insurance carriers	11.7	11.7	11.6	.0	1.0
SERVICES	125.5	127.5	121.5	- 1.5	3.3
GOVERNMENT	84.3	83.8	85.4	.5	- 1.3
Federal government	12.7	12.8	12.9	- .7	- 1.5
State government (includes education)	18.5	18.2	19.0	1.8	- 2.7
Local government	53.1	52.9	53.4	.4	- .7
Local government, except education	21.7	22.0	22.6	- 1.0	- 3.6
Local government education	31.3	30.9	30.9	1.4	1.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$368.92	$365.08	$353.22	40.9	40.7	41.9	$ 9.02	$ 8.97	$ 8.43
Durable Goods[d]	363.26	356.94	346.50	41.0	40.7	42.0	8.86	8.77	8.25
Furniture and fixtures	283.42	245.20	240.77	39.2	35.9	38.4	7.23	6.83	6.27
Primary metal industries	320.88	319.32	327.76	38.2	37.7	39.3	8.40	8.47	8.34
Fabricated metal products	357.00	352.10	334.13	40.8	40.8	41.2	8.75	8.63	8.11
Fabricated structural metal products	336.61	333.06	312.14	43.1	42.7	42.7	7.81	7.80	7.31
Machinery, except electrical	350.61	350.10	326.83	41.2	40.9	42.5	8.51	8.56	7.69
Metalworking machinery	379.76	382.54	366.17	41.1	41.4	43.8	9.24	9.24	8.36
General industrial machinery	334.40	344.66	302.63	40.0	40.5	41.8	8.36	8.51	7.24
Electric and electronic equipment	286.80	277.70	252.84	40.0	39.9	39.2	7.17	6.96	6.45
Transportation equipment	481.01	475.80	480.21	41.9	41.7	44.3	11.48	11.41	10.84
Motor vehicles and equipment	516.12	537.21	545.11	40.8	42.3	45.2	12.65	12.70	12.06
Nondurable Goods[e]	376.28	374.44	360.71	40.9	40.7	41.7	9.20	9.20	8.65
Food and kindred products	435.76	418.40	416.56	41.9	41.1	42.9	10.40	10.18	9.71
Meat products	520.12	456.84	474.99	46.9	42.3	44.6	11.09	10.80	10.65
Bakery products	392.88	402.19	338.58	42.2	44.1	39.6	9.31	9.12	8.55
Beverages	371.73	356.32	363.96	39.8	38.9	41.5	9.34	9.16	8.77
Apparel and other textile products	216.72	205.36	193.91	38.7	38.1	37.8	5.60	5.39	5.13
Paper and allied products	338.55	321.40	310.34	42.8	41.1	41.6	7.91	7.82	7.46
Printing and publishing	369.97	373.05	327.49	38.7	38.9	37.3	9.56	9.59	8.78
Chemicals and allied products	409.04	422.69	409.40	40.7	41.4	43.6	10.05	10.21	9.39
Rubber and misc. plastics products	323.14	322.33	332.20	43.2	42.3	44.0	7.48	7.62	7.55
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	535.82	540.25	505.69	38.3	38.7	39.6	13.99	13.96	12.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	388.09	385.34	343.57	39.4	39.2	39.4	9.85	9.83	8.72
WHOLESALE TRADE	301.48	298.76	287.36	38.8	38.8	39.8	7.77	7.70	7.22
RETAIL TRADE[f]	153.62	152.10	144.30	30.3	30.0	30.0	5.07	5.07	4.81
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	194.96	193.44	174.66	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	899.5	899.0	904.4	.1	-.5
MANUFACTURING	249.5	250.8	252.5	-.5	-1.2
Durable Goods[e]	182.1	183.2	185.4	-.6	-1.8
Furniture and fixtures	2.3	2.4	2.4	-2.2	-3.8
Primary metal industries	29.2	29.8	28.2	-2.0	3.6
Blast furnace and basic steel products	14.9	15.2	14.7	-2.4	.7
Iron and steel foundries	6.6	6.6	6.0	.4	10.7
Nonferrous foundries	2.9	3.1	2.8	-5.5	5.5
Fabricated metal products	39.2	39.4	38.8	-.5	.9
Fabricated structural metal products	4.1	4.2	4.2	-1.7	-.9
Screw machine products, bolts, etc.	6.3	6.3	5.8	.0	7.6
Metal forgings and stampings	14.4	14.6	14.1	-1.1	2.3
Machinery, except electrical	47.6	47.5	48.8	.2	-2.5
Construction and related machinery	8.9	8.8	8.5	.6	3.8
Metalworking machinery	16.5	16.5	17.5	.4	-5.7
Special industry machinery	4.2	4.2	4.7	.7	-11.3
General industrial machinery	4.0	4.0	4.0	1.4	.5
Electric and electronic equipment	25.0	25.0	24.6	.1	1.6
Electrical industrial apparatus	9.0	9.0	9.1	-.9	-2.0
Transportation equipment	22.8	23.1	26.4	-1.5	-13.6
Motor vehicles and equipment	15.6	15.9	18.5	-1.9	-15.5
Instruments and related products	5.8	5.8	5.7	.1	1.3
Nondurable Goods[f]	67.4	67.6	67.2	-.3	.3
Food and kindred products	8.5	8.6	8.6	-.5	-.3
Bakery products	1.8	1.9	1.9	-1.2	-5.4
Beverages	1.6	1.6	1.7	.3	-3.9
Apparel and other textile products	5.7	5.8	5.6	-1.0	1.3
Paper and allied products	5.1	5.2	5.2	-1.0	-2.6
Printing and publishing	15.5	15.5	15.0	-.2	3.1
Chemicals and allied products	16.3	16.3	16.2	-.1	.6
Industrial inorganic chemicals	5.0	5.0	4.9	-.5	2.4
Rubber and misc. plastics products	10.4	10.5	10.7	-.4	-3.0
NONMANUFACTURING[g]	650.0	648.2	651.8	.3	-.3
CONSTRUCTION	33.0	33.7	34.3	-2.2	-3.7
TRANSPORTATION AND PUBLIC UTILITIES	45.4	45.6	46.5	-.4	-2.2
Communication, electric, gas services	19.7	19.7	19.2	.0	2.7
WHOLESALE TRADE	62.2	62.2	63.5	.0	-2.0
RETAIL TRADE	147.6	146.1	147.4	1.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	49.0	49.0	48.4	.0	1.3
Banking	13.6	13.6	13.6	-.3	-.4
Insurance carriers	12.2	12.2	12.2	.0	.4
SERVICES	192.6	193.1	187.6	-.3	2.7
GOVERNMENT	118.8	117.1	122.7	1.5	-3.2
Federal government	19.4	19.3	19.9	.3	-2.6
State government (includes education)	8.3	8.0	8.5	4.1	-2.5
Local government	91.1	89.8	94.3	1.5	-3.4
Local government, except education	45.5	45.1	45.0	1.1	1.2
Local government education	45.6	44.7	49.3	2.0	-7.6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$400.25	$400.66	$378.07	40.8	40.8	41.5	$ 9.81	$ 9.82	$ 9.11
Durable Goods[d]	422.69	421.06	398.58	41.4	41.2	42.0	10.21	10.22	9.49
Furniture and fixtures	337.79	294.33	231.32	44.8	40.1	40.3	7.54	7.34	5.74
Primary metal industries	485.44	476.60	459.46	41.0	40.7	42.3	11.84	11.71	10.72
Blast furnace and basic steel products	505.12	488.97	473.18	38.5	37.7	40.1	13.12	12.97	11.80
Iron and steel foundries	581.21	572.33	519.80	43.7	43.0	45.2	13.30	13.31	11.50
Nonferrous foundries	330.23	330.76	317.82	42.5	42.9	41.6	7.77	7.71	7.64
Fabricated metal products	402.12	399.80	377.92	40.7	40.1	40.9	9.88	9.97	9.24
Fabricated structural metal products	328.46	336.59	318.38	40.5	40.4	39.6	8.11	8.33	8.04
Screw machine products, bolts, etc.	390.01	347.11	317.24	42.3	39.4	38.5	9.22	8.81	8.24
Metal forgings and stampings	474.76	485.61	466.57	40.2	40.4	42.3	11.81	12.02	11.03
Machinery, except electrical	424.32	417.58	402.57	41.6	41.1	42.6	10.20	10.16	9.45
Construction and related machinery	457.07	455.20	399.33	40.2	40.0	40.5	11.37	11.38	9.86
Metalworking machinery	416.07	414.08	401.62	41.9	41.7	43.0	9.93	9.93	9.34
Special industry machinery	406.81	406.81	367.72	40.6	40.6	40.1	10.02	10.02	9.17
General industrial machinery	422.69	420.17	376.42	43.0	42.7	42.2	9.83	9.84	8.92
Electric and electronic equipment	363.32	381.50	336.96	42.1	43.7	41.6	8.63	8.73	8.10
Electrical industrial apparatus	371.57	430.35	380.14	40.3	45.3	43.1	9.22	9.50	8.82
Transportation equipment	495.75	501.76	489.29	41.8	42.2	43.3	11.86	11.89	11.30
Motor vehicles and equipment	507.99	523.30	505.31	41.3	42.1	43.3	12.30	12.43	11.67
Instruments and related products	311.33	301.90	293.28	41.4	40.2	41.6	7.52	7.51	7.05
Nondurable Goods[e]	332.02	334.51	315.99	39.2	39.4	40.1	8.47	8.49	7.88
Food and kindred products	332.02	335.86	328.36	39.2	39.7	41.2	8.47	8.46	7.97
Bakery products	341.89	357.80	335.27	38.2	39.8	40.2	8.95	8.99	8.34
Beverages	328.42	294.47	280.14	43.1	38.9	40.6	7.62	7.57	6.90
Apparel and other textile products	238.38	243.72	219.84	37.6	38.2	38.1	6.34	6.38	5.77
Paper and allied products	353.08	345.06	317.49	41.2	40.5	40.6	8.57	8.52	7.82
Printing and publishing	356.89	356.82	337.82	37.8	37.3	38.0	9.44	9.55	8.89
Chemicals and allied products	398.34	402.78	391.19	40.4	41.1	42.2	9.86	9.80	9.27
Industrial inorganic chemicals	410.90	411.43	409.00	39.7	40.1	40.9	10.35	10.26	10.00
Rubber and misc. plastics products	279.27	288.46	279.41	39.5	40.4	41.3	7.07	7.14	6.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	588.21	603.39	533.63	37.9	38.7	37.9	15.52	15.59	14.08
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	440.24	447.31	405.00	40.5	41.0	40.5	10.87	10.91	10.00
WHOLESALE TRADE	323.36	317.29	299.54	39.1	38.6	38.8	8.27	8.22	7.72
RETAIL TRADE[f]	156.48	156.44	156.29	28.4	28.6	29.6	5.51	5.47	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	217.42	217.20	204.27	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	..	....	....	....
Local government, except education	......	......	......	....	....	..	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	526.5	525.7	526.6	.2	.0
MANUFACTURING	93.3	93.9	96.8	- .6	- 3.6
Durable Goods[e]	59.2	59.7	62.2	- .8	- 4.9
Stone, clay, and glass products	9.7	9.7	10.6	.0	- 8.2
Fabricated metal products	10.5	10.6	11.3	- 1.5	- 7.2
Machinery, except electrical	12.0	12.2	11.7	- 1.5	2.9
Electric and electronic equipment	11.7	11.8	12.6	- 1.3	- 7.8
Transportation equipment	6.2	6.1	6.5	1.7	- 5.3
Nondurable Goods[f]	34.1	34.2	34.6	- .3	- 1.2
Food and kindred products	10.7	10.8	10.9	- .7	- 1.6
Printing and publishing	9.0	9.1	9.0	- 1.0	- .3
Chemicals and allied products	6.0	6.0	6.1	- .2	- 1.6
Rubber and misc. plastics products	3.0	2.9	3.2	2.6	- 8.1
NONMANUFACTURING[g]	433.2	431.8	429.8	.3	.8
CONSTRUCTION	21.0	21.5	22.0	- 2.4	- 4.5
TRANSPORTATION AND PUBLIC UTILITIES	25.3	25.2	25.0	.3	1.2
Communication, electric, gas services	11.5	11.5	11.1	- .1	3.4
WHOLESALE TRADE	27.5	27.5	27.4	.2	.5
RETAIL TRADE	101.7	99.8	99.5	1.9	2.2
FINANCE, INSURANCE, AND REAL ESTATE	40.3	40.2	38.6	.2	4.2
Banking	8.0	8.0	7.8	.3	2.5
Insurance carriers	17.8	17.8	17.1	.5	4.5
SERVICES	111.9	112.6	108.5	- .6	3.1
GOVERNMENT	104.7	104.2	107.9	.5	- 3.0
Federal government	11.4	11.3	11.3	.8	1.3
State government	50.4	50.2	50.3	.5	.3
State government, except education[j]	29.0	28.9	28.7	.3	.8
State government education	21.5	21.3	21.6	.9	- .4
Local government	42.9	42.7	46.4	.4	- 7.7
Local government, except education	17.6	17.6	20.5	- .1	- 14.4
Local government education	25.3	25.1	25.9	.8	- 2.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [j] Excludes units such as Ohio Department of Education and its schools for deaf and blind. Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$361.00	$353.03	$326.73	40.2	39.8	39.7	$ 8.98	$ 8.87	$ 8.23
Durable Goods[d]	382.32	368.02	341.68	40.5	39.7	39.5	9.44	9.27	8.65
Stone, clay, and glass products	380.26	359.95	340.54	40.8	39.1	40.3	9.32	8.84	8.45
Fabricated metal products	423.60	417.20	416.56	39.7	39.1	39.9	10.67	10.67	10.44
Machinery, except electrical	353.69	349.46	335.33	40.3	40.4	42.5	8.77	8.65	7.89
Electric and electronic equipment	370.76	357.08	326.67	40.3	39.5	39.5	9.20	9.04	8.27
Transportation equipment	441.50	421.59	369.37	43.2	41.7	39.4	10.22	10.11	9.37
Nondurable Goods[e]	317.99	324.41	296.61	39.6	40.2	40.3	8.03	8.07	7.36
Food and kindred products	329.27	350.38	309.15	40.5	41.7	42.7	8.13	8.41	7.24
Printing and publishing	322.30	319.79	309.50	36.5	36.8	37.2	8.83	8.69	8.32
Chemicals and allied products	362.09	365.25	327.16	41.1	41.6	41.1	8.81	8.78	7.96
Rubber and misc. plastics products	284.78	286.47	259.03	40.8	41.1	40.6	6.98	6.97	6.38
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	482.69	486.86	427.46	38.4	39.2	38.2	12.57	12.42	11.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	425.57	433.05	392.12	40.3	40.7	40.3	10.56	10.64	9.73
WHOLESALE TRADE	292.08	290.12	282.35	39.1	39.1	39.6	7.47	7.42	7.13
RETAIL TRADE[f]	148.12	144.21	138.36	29.1	28.9	29.5	5.09	4.99	4.69
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	192.51	182.29	169.93	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	359.0	359.3	360.1	- .1	- .3
MANUFACTURING	100.1	100.3	99.7	- .2	.5
Durable Goods[e]	68.4	68.7	67.6	- .4	1.2
Stone, clay, and glass products	2.2	2.2	2.4	- 1.3	- 7.2
Fabricated metal products	7.0	7.0	7.1	.7	- .3
Machinery, except electrical	30.6	30.6	31.5	- .1	- 2.9
Metalworking machinery	6.8	6.8	7.4	.1	- 8.1
Electric and electronic equipment	9.7	9.9	7.7	- 1.7	25.5
Electrical industrial apparatus	3.7	3.7	3.7	- 2.1	- 2.3
Transportation equipment	12.8	12.7	13.0	1.0	- 1.6
Nondurable Goods[f]	31.8	31.6	32.1	.3	- 1.0
Food and kindred products	3.6	3.6	3.5	- .2	1.8
Paper and allied products	6.0	5.9	5.8	2.6	5.0
Printing and publishing	9.2	9.4	9.8	- 1.7	- 5.8
Rubber and misc. plastics products	9.0	8.8	9.1	1.9	- 1.0
NONMANUFACTURING[g]	258.9	259.0	260.5	- .1	- .6
CONSTRUCTION	12.1	12.5	14.2	- 3.1	- 14.5
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.3	13.4	- .7	- .9
Communication, electric, gas services ..	6.5	6.5	6.6	- .8	- 1.4
WHOLESALE TRADE	15.2	15.3	15.4	- .1	- .9
RETAIL TRADE	58.8	58.0	59.1	1.3	- .6
FINANCE, INSURANCE, AND REAL ESTATE	13.9	13.9	13.7	.2	1.3
SERVICES	75.9	76.2	74.3	- .3	2.1
GOVERNMENT	69.3	69.5	70.0	- .2	- .9
Federal government	25.1	25.6	24.8	- 2.0	.9
State government (includes education) ..	5.9	6.0	5.9	- 1.2	- .5
Local government	38.3	37.9	39.2	1.1	- 2.2
Local government, except education ...	13.5	13.5	14.3	- .2	- 5.7
Local government education	24.8	24.4	24.9	1.8	- .1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.76	$412.17	$390.50	41.4	41.3	42.4	$ 9.97	$ 9.98	$ 9.21
Durable Goods[d]	415.91	412.26	386.91	41.8	41.6	42.8	9.95	9.91	9.04
Stone, clay, and glass products	412.98	385.42	372.00	42.4	40.4	40.7	9.74	9.54	9.14
Fabricated metal products	308.21	301.15	274.43	40.5	40.1	39.6	7.61	7.51	6.93
Machinery, except electrical	410.85	411.58	396.84	41.5	41.7	43.8	9.90	9.87	9.06
Metalworking machinery	407.95	408.37	406.77	42.1	42.1	44.7	9.69	9.70	9.10
Electric and electronic equipment	512.42	502.2	358.48	47.8	47.2	43.4	10.72	10.64	8.26
Electrical industrial apparatus	320.95	311.95	298.87	41.9	41.1	41.8	7.66	7.59	7.15
Transportation equipment	481.54	487.91	499.22	39.6	39.7	43.6	12.16	12.29	11.45
Nondurable Goods[e]	407.41	409.86	401.40	40.7	40.5	41.9	10.01	10.12	9.58
Food and kindred products	392.89	394.07	365.50	41.4	41.7	42.5	9.49	9.45	8.60
Paper and allied products	331.97	320.36	349.27	41.6	40.5	44.1	7.98	7.91	7.92
Printing and publishing	443.30	412.91	409.65	41.9	39.4	40.6	10.58	10.48	10.09
Rubber and misc. plastics products	485.62	521.88	487.30	39.1	40.9	41.9	12.42	12.76	11.63
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	490.37	507.37	482.39	38.4	39.7	39.9	12.77	12.78	12.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	414.80	407.42	407.95	40.0	40.1	41.5	10.37	10.16	9.83
WHOLESALE TRADE	286.53	277.67	271.93	40.7	40.3	41.9	7.04	6.89	6.49
RETAIL TRADE[f]	148.70	146.81	141.90	29.1	28.9	29.5	5.11	5.08	4.81
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	295.5	296.8	299.5	- .4	- 1.3
MANUFACTURING	74.0	75.0	76.5	- 1.3	- 3.3
Durable Goods[e]	57.9	58.6	59.3	- 1.2	- 2.3
Stone, clay, and glass products	13.5	13.5	13.3	.2	1.6
Primary metal industries	4.4	4.5	4.6	- 3.4	- 4.4
Fabricated metal products	8.2	8.6	8.8	- 4.8	- 6.8
Metal forgings and stampings	3.6	3.9	4.0	- 6.9	- 10.6
Machinery, except electrical	7.3	7.3	7.4	.3	- 1.1
General industrial machinery	2.2	2.2	2.3	.3	- 4.2
Transportation equipment	15.4	15.5	16.5	- .6	- 6.6
Motor vehicles and equipment	14.1	14.2	15.0	- .7	- 5.8
Nondurable Goods[f]	16.1	16.3	17.3	- 1.4	- 6.8
Food and kindred products	4.2	4.3	4.1	- 4.0	.7
Petroleum and coal products	1.6	1.6	1.9	- .2	- 13.8
Rubber and misc. plastics products	3.1	3.0	3.4	2.2	- 9.3
NONMANUFACTURING[g]	221.5	221.8	223.0	- .1	.7
CONSTRUCTION	13.3	14.2	14.0	- 6.0	- 4.6
TRANSPORTATION AND PUBLIC UTILITIES	19.7	19.6	20.1	.2	- 2.0
Communication, electric, gas services	7.8	7.8	7.6	.1	2.3
WHOLESALE TRADE	14.3	14.3	14.3	.1	- .3
RETAIL TRADE	52.9	52.5	53.3	.8	- .8
FINANCE, INSURANCE, AND REAL ESTATE	10.9	11.0	10.8	- .4	1.3
SERVICES	62.7	62.9	61.0	- .2	2.8
GOVERNMENT	47.1	46.8	49.0	.6	- 4.0
State government (includes education)	15.1	15.0	15.1	.7	- .2
Local government	29.3	29.1	31.2	.7	- 6.0
Local government, except education	10.6	10.6	12.0	.1	- 11.0
Local government education	18.7	18.5	19.2	1.0	- 2.8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1981[b]	October 1981[c]	November 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]	Nov. 1981[b]	Oct. 1981[c]	Nov. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$415.93	$416.34	$389.87	41.1	41.1	41.3	$10.12	$10.13	$ 9.44
Durable Goods[d]	427.85	428.26	402.82	41.1	41.1	41.4	10.41	10.42	9.73
Stone, clay, and glass products	437.61	440.37	405.46	42.2	42.1	41.8	10.37	10.46	9.70
Primary metal industries	407.12	403.79	400.37	41.5	41.8	43.9	9.81	9.66	9.12
Fabricated metal products	357.90	384.61	345.14	39.9	41.4	39.4	8.97	9.29	8.76
Metal forgings and stampings	419.64	448.63	414.93	39.0	40.6	40.6	10.76	11.05	10.22
Machinery, except electrical	433.58	417.17	394.59	42.3	41.1	41.8	10.25	10.15	9.44
General industrial machinery	443.45	434.17	388.47	39.7	38.8	38.5	11.17	11.19	10.09
Transportation equipment	513.77	511.71	460.93	41.4	41.3	41.6	12.41	12.39	11.08
Motor vehicles and equipment	514.19	513.77	467.17	41.3	41.3	41.6	12.45	12.44	11.23
Nondurable Goods[e]	370.39	368.51	342.35	41.2	40.9	41.0	8.99	9.01	8.35
Food and kindred products	381.07	379.20	361.22	42.2	41.9	42.9	9.03	9.05	8.42
Petroleum and coal products	609.44	595.65	545.33	46.1	45.4	44.3	13.22	13.12	12.31
Rubber and misc. plastics products	326.19	323.95	285.51	41.5	40.8	40.1	7.86	7.94	7.12
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	576.46	590.55	533.92	37.0	37.4	37.6	15.58	15.79	14.20
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	458.05	448.33	394.07	42.1	41.9	40.5	10.88	10.70	9.73
WHOLESALE TRADE	325.14	323.92	290.25	38.8	38.7	38.7	8.38	8.37	7.50
RETAIL TRADE[f]	158.60	157.72	150.16	29.1	29.1	29.5	5.45	5.42	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
NOVEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1981[b]	October 1981[c]	November 1980[c]	October 1981	November 1980
TOTAL	202.3	201.5	202.9	.4	- .3
MANUFACTURING	68.7	68.7	69.3	.0	- .9
Durable Goods[e]	62.7	62.8	63.4	.0	- 1.0
Stone, clay, and glass products	1.9	1.9	1.8	.3	10.4
Primary metal industries	29.3	29.4	29.9	- .6	- 2.0
Blast furnace and basic steel products	15.4	15.5	14.7	- .7	4.8
Fabricated metal products	9.0	8.6	9.2	4.3	- 2.2
Fabricated structural metal products	2.7	2.6	2.9	4.4	- 5.1
Machinery, except electrical	5.8	5.8	6.3	- .3	- 7.7
Metalworking machinery	2.3	2.3	2.8	- .9	- 19.3
Electric and electronic equipment	3.1	3.1	3.1	- 1.9	- .3
Transportation equipment	11.9	12.0	11.2	- 1.2	6.1
Nondurable Goods[f]	5.9	5.9	5.9	- .1	.8
NONMANUFACTURING[g]	133.6	132.8	133.6	.6	.0
CONSTRUCTION	7.0	7.3	7.7	- 3.0	- 8.5
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.2	9.3	.9	.2
Communication, electric, gas services	3.3	3.3	3.3	.1	.8
WHOLESALE TRADE	7.7	7.7	7.8	.1	- 1.0
RETAIL TRADE	36.8	36.5	37.1	.8	- .7
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.2	7.1	.2	2.0
SERVICES	39.0	39.2	37.7	- .4	3.6
GOVERNMENT	26.0	25.2	26.5	3.2	- 1.7
Local government (includes education)	20.4	19.9	20.8	2.5	- 1.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
NOVEMBER [illegible]

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November [illegible][b]	October [illegible]	November [illegible]	Nov. [illegible][b]	Oct. [illegible]	Nov. [illegible]	Nov. [illegible][b]	Oct. [illegible][c]	Nov. [illegible]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$471.[illegible]	$[illegible]	$[illegible]	[illegible]	[illegible]	41.[illegible]	$11.67	$11.54	$11.21
Durable Goods[d]	489.17	471.77	461.67	[illegible]	39.8	41.1	11.79	11.65	11.31
Stone, clay, and glass products	300.11	308.41	279.79	39.1	38.7	36.9	7.80	7.96	7.54
Primary metal industries	591.44	496.[illegible]	506.17	[illegible]	[illegible]	41.6	12.93	12.81	12.17
Blast furnace and basic steel products	575.38	527.19	497.81	[illegible]	[illegible]	[illegible]	13.35	13.36	12.32
Fabricated metal products	460.84	453.47	451.36	[illegible]	40.9	42.4	11.24	11.09	[illegible]
Fabricated structural metal products	348.29	332.[illegible]	352.81	[illegible]	40.1	[illegible]	8.38	8.13	8.09
Machinery, except electrical	467.[illegible]	445.49	453.05	[illegible]	39.7	41.0	11.44	11.22	11.06
Metalworking machinery	475.28	448.[illegible]	523.77	40.4	40.1	44.5	11.74	11.17	11.77
Electric and electronic equipment	340.17	331.[illegible]	313.06	[illegible]	38.6	40.0	8.37	8.60	7.82
Transportation equipment	[illegible]	[illegible]	476.56	49.3	48.5	42.[illegible]	12.23	12.25	11.34
Nondurable Goods[e]	332.91	[illegible]	297.19	41.1	[illegible]	40.6	8.10	8.01	7.32
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	531.[illegible]	[illegible]	531.76	[illegible]	[illegible]	38.9	14.37	14.20	13.67
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	479.19	432.[illegible]	398.18	47.0	42.5	43.0	10.19	10.19	9.26
WHOLESALE TRADE	340.68	331.57	307.28	40.8	39.9	39.7	8.35	8.31	7.74
RETAIL TRADE[f]	156.52	154.74	147.19	29.7	29.7	30.1	5.27	5.21	4.89
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 6,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

1/25/82 56270-1a

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
DECEMBER 1981

Unemployment in Ohio climbed from 562,000 in November to 601,000 in December. The jobless rate rose by nearly a full percentage point to 11.8 percent. Total employment dropped 1.9 percent, to 4,504,000. Curtailments in factory production lowered nonfarm payroll employment .9 percent, to 4,342,000 in December.

Manufacturing employment in Ohio slipped to its lowest level since May of 1961. The December total was 1,184,000--down 2.7 percent from November. The widespread effects of the automotive slump continued. Employment in motor vehicle production dropped below 75,000 for the first time in two decades. Suppliers of various automotive components--castings, stamped metal, plastic parts, wire, hardware--also furloughed several thousand workers, due to fewer orders. Reduced employment in household appliances and basic steel products was attributable to lack of orders.

Employment in Ohio's nonmanufacturing industries dipped fractionally from November, to 3,158,000 in December. Inclement weather led to slowdowns in outdoor activities--notably construction, amusement services, and drive-ins. Employment in private educational services dipped seasonally. Decreases were moderated, however, by gains in retailing as department, apparel, and food stores added temporary personnel for the holiday season.

Average weekly earnings of Ohio's factory production workers remained at a record level--$398.62 in December, on par with November. The average workweek, at 40.8 hours, was little changed. More overtime boosted earnings in the production of construction machinery, and in newspaper publishing. Stepped-up overtime was also reported in several food-processing industries, notably beverages, bakery and dairy products. Higher earnings in plastic products were attributable to more overtime and hourly-rate increases. Overtime curtailments, however, were reported by producers of fasteners, textile mill products, and electrical equipment.

The number of jobless Ohioans increased by roughly 170,000 between December 1980 and December 1981, lifting the unemployment rate from 8.6 to 11.8 percent of the civilian labor force. Total employment declined 1.5 percent as nonfarm payrolls slipped 1.8 percent. Manufacturing industries accounted for most of the loss, with transportation equipment, primary metals, and nonelectrical machinery showing substantial reductions. Cutbacks in government, construction, and retailing lowered nonmanufacturing, despite gains in service industries. Factory production workers grossed $12 more per week in December 1981 than in December 1980, although the average workweek dropped by 1.3 hours.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm employment in Akron totaled 259,000 in December, down 500 from November. Decreases in fabricated metals and rubber accounted for most of the 500 loss in manufacturing, to 74,400 for the month. Cutbacks in construction were offset by seasonal gains in retail trade, resulting in little change for nonmanufacturing. Earnings of factory production workers rose 4¢, to $9.78 an hour. Their average workweek was .7 hours longer, at 42.2 hours.

Canton.--Nonfarm establishments in Canton employed 156,200 workers in December, up slightly from November. Nonmanufacturing advanced as increases in retail trade and education were moderated by seasonal declines in construction. Manufacturing employment slipped 200, to 54,600 for December. The average workweek for factory production workers, at 40.0 hours, was up .2 hours for the month. Their average hourly earnings rose 9¢, to $10.10 in December.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment totaled 608,500 in December, down 800 from November. Cutbacks in orders for motor vehicles lowered manufacturing 900, to 161,000 for December. In nonmanufacturing, seasonal losses in construction were largely offset by hiring in retail trade. Production workers in manufacturing industries grossed $9.05 per hour for a workweek of 41.2 hours, slightly up from November averages.

Cleveland.--Nonfarm payroll employment in the Cleveland area decreased 5,300 from November, to 891,900 in December. Manufacturing, down 6,900 to 241,100 in December, was responsible for the overall loss, as producers of motor vehicles and component parts reported cutbacks. Expansion in retailing and public schools lifted nonmanufacturing, despite losses in construction. The average workweek of factory production workers was little changed, at 40.8 hours. Their hourly earnings slipped 9¢, to $9.73 in December.

Columbus.--Nonagricultural establishments in the Columbus area employed 525,100 wage and salary workers in December, down 800 from November. The loss was due to layoffs in durable-goods industries, which lowered manufacturing 1,100, to 92,400 for the month. Seasonal gains in retailing were largely offset by shrinkage in other nonmanufacturing industries, notably construction. The workweek for the average factory production worker, 40.6 hours, was up .3 hours. Average hourly earnings, at $8.95, were down slightly from November.

Dayton.--December nonfarm payroll employment in Dayton totaled 359,300, down 300 from November. The loss occurred in manufacturing, down 600 to 99,600 in December. Nonmanufacturing rose slightly, as seasonal hiring in retail trade was partially offset by losses in other industries. The average workweek and hourly earnings for factory production workers were little changed from November, at 41.6 hours and $10.01 in December.

Toledo.--Workers on nonfarm payrolls in Toledo numbered 292,800 in December, down 1,900 from November. Manufacturing accounted for most of the loss, as durable-goods industries experienced widespread layoffs. Increases in retail trade were more than offset by layoffs in other nonmanufacturing industries--notably construction. Production workers in factories grossed $10.21 per hour, up 11¢ from November. The average workweek, at 41.5 hours, was up .8 hours.

Youngstown-Warren.--Youngstown-Warren's nonagricultural wage and salary employment decreased 8,300 from November, to 193,400 in December. Most of the loss occurred in manufacturing, down 8,000 to 60,100 for the month, due mainly to cutbacks by producers of motor vehicles and equipment. Nonmanufacturing slipped as seasonal losses in construction outweighed gains in retailing. The workweek and hourly earnings of the average factory production worker, at 39.6 hours and $11.60 an hour, were down .8 hours and 6¢, respectively, from November.

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Ohio Bureau of Employment Services
Columbus 43216 1-15-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1970	244.7	140.2	507.3	854.6	409.1	331.4	263.1	195.5
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	245.1	139.9	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.3	534.5	865.2	451.0	335.6	285.8	211.6
1974	258.7	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.4	541.3	860.0	456.1	331.5	282.6	203.5
1977	254.9	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	264.6	156.1	591.2	905.0	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	305.3	213.9
1980	263.2	157.0	604.8	905.0	515.1	356.5	294.2	203.3
1980								
December.	263.7	156.3	610.6	907.1	526.0	361.0	299.7	199.1
1981								
January .	254.9	153.4	595.8	885.6	510.7	352.5	291.0	194.5
February.	256.4	153.0	596.9	881.2	509.8	352.4	287.4	192.8
March ...	258.7	153.2	599.6	886.9	513.6	355.8	292.1	194.9
April ...	260.7	155.8	607.7	895.2	517.9	357.6	295.7	199.7
May	262.5	156.3	610.5	900.4	521.0	358.0	298.0	203.4
June	257.6	157.1	613.0	906.9	522.7	357.4	299.4	204.3
July	255.4	156.5	602.9	901.0	514.2	351.5	290.3	200.8
August ..	255.6	156.8	601.6	898.0	514.8	350.8	288.9	197.3
September	261.3	157.0	610.8	896.8	518.8	358.5	293.2	202.2
October .	261.6	157.0	610.4	895.0	525.7	359.3	296.8	201.5
November.	259.5	156.0	609.4	897.1	525.9	359.5	294.8	201.7
December.	259.0	156.2	608.5	891.9	525.1	359.3	292.8	193.4
	MANUFACTURING EMPLOYMENT (in thousands)							
1970	96.4	62.4	169.5	296.8	102.2	128.3	89.4	86.1
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.0	79.9
1980	79.4	55.6	164.3	255.0	96.7	99.9	74.9	70.5
1980								
December.	77.8	54.5	163.8	253.6	96.3	99.5	77.1	65.2
1981								
January .	75.8	54.7	163.2	251.4	95.3	98.9	75.3	65.2
February.	76.9	54.7	162.7	250.2	94.6	99.3	72.8	63.7
March ...	77.9	53.9	161.8	249.7	94.8	100.3	75.8	66.5
April ...	78.1	55.0	162.4	250.7	94.4	100.3	76.6	69.7
May	77.5	55.1	162.4	250.9	94.8	100.5	76.6	69.7
June	77.1	55.6	163.4	253.4	94.6	100.2	76.9	69.8
July	75.8	55.8	161.7	252.2	93.4	99.8	75.3	68.9
August ..	75.5	56.1	161.6	249.9	93.1	99.0	75.9	66.6
September	76.8	56.1	163.0	252.1	94.7	101.6	77.9	69.3
October .	76.1	55.8	161.8	250.8	93.9	100.3	75.0	68.7
November.	74.9	54.8	162.0	248.0	93.5	100.2	73.5	68.1
December.	74.4	54.6	161.0	241.1	92.4	99.6	71.8	60.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]								
December	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]								
January	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980								
December	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]								
January	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.7	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.6
March	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.4	[illegible]	[illegible]
April	[illegible]	[illegible]	40.8	[illegible]	[illegible]	[illegible]	[illegible]	41.5
May	[illegible]	[illegible]	41.4	[illegible]	39.9	41.8	[illegible]	40.6
June	42.4	40.4	41.3	42.1	39.3	42.5	41.9	41.4
July	41.9	39.6	[illegible]	40.7	39.4	41.6	40.4	40.5
August	[illegible]	39.6	40.6	41.2	40.3	41.9	40.9	41.8
September	41.8	[illegible]	41.2	41.0	40.0	40.9	41.8	41.6
October	41.2	[illegible]	40.7	40.8	39.8	41.3	[illegible]	39.9
November	41.5	39.8	41.0	40.9	40.9	41.5	40.7	40.4
December	42.2	40.0	41.2	40.8	40.6	41.6	41.5	39.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

[illegible] METROPOLITAN AREAS[a]

[illegible]	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	[illegible] HOURLY EARNINGS							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible] AVERAGE WEEKLY EARNINGS							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]	357.05	397.98	400.05	472.40
August	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	417.55	[illegible]	471.57
September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	397.55	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	412.17	[illegible]	460.45
November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]	363.37	416.42	423.72	459.96

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

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Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1970	276.2	262.7	13.6	4.9	1970	162.6	153.2	9.4	5.8
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1980					1980				
November ...	304.6	276.0	28.6	9.4	November ..	185.9	167.6	18.3	9.8
December ...	298.4	271.8	26.6	8.9	December ..	181.7	165.3	16.4	9.0
1981					1981				
January	293.1	262.5	30.6	10.4	January ...	180.6	161.9	18.7	10.4
February ...	292.2	263.4	28.8	9.8	February ..	179.1	161.2	17.9	10.0
March	298.1	271.1	27.0	9.1	March	183.1	165.3	17.9	9.8
April	299.2	277.0	22.2	7.4	April	184.1	169.8	14.3	7.8
May	305.8	281.1	24.7	8.1	May	187.7	172.4	15.3	8.1
June	299.5	273.7	25.8	8.6	June	187.4	171.2	16.2	8.7
July	305.8	276.4	29.3	9.6	July	191.6	173.3	18.3	9.5
August	304.8	274.8	30.1	9.9	August	189.7	172.4	17.4	9.2
September ..	300.8	271.3	29.5	9.8	September .	187.4	167.2	20.1	10.7
October	300.2	271.8	28.5	9.5	October ...	185.0	167.6	17.4	9.4
November[p] ..	303.3	270.8	32.4	10.7	November[p] .	187.6	167.7	19.8	10.6
CINCINNATI[d]					CLEVELAND[e]				
1970	543.0	518.0	25.0	4.6	1970	878.5	833.9	44.6	5.1
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1980					1980				
November ...	679.9	628.1	51.9	7.6	November ..	943.6	865.9	77.8	8.2
December ...	671.4	622.3	49.0	7.3	December ..	927.2	857.6	69.6	7.5
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	913.6	835.5	78.2	8.6
February ...	664.9	607.3	57.6	8.7	February ..	907.8	829.8	78.0	8.6
March	677.5	621.4	56.1	8.3	March	929.8	852.8	77.0	8.3
April	684.7	636.8	47.9	7.0	April	935.3	872.2	63.1	6.7
May	695.5	645.0	50.5	7.3	May	951.4	883.9	67.4	7.1
June	697.2	643.2	54.1	7.8	June	952.0	879.2	72.7	7.6
July	706.2	643.8	62.4	8.8	July	973.1	890.2	83.0	8.5
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September ..	695.2	631.1	64.1	9.2	September .	936.4	853.0	83.4	8.9
October	693.9	630.5	63.4	9.1	October ...	936.7	856.3	80.3	8.6
November[p] ..	697.2	629.4	67.8	9.7	November[p] .	946.7	858.9	87.8	9.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1970	433.5	415.4	18.1	4.2
1971	444.4	425.5	19.0	4.3
1972	469.1	450.8	18.4	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.8	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	529.4	504.6	24.8	4.7
1979	540.9	515.1	25.8	4.8
1980	557.4	525.8	31.6	5.7
1980				
November ...	571.2	532.4	38.8	6.8
December ...	557.9	524.4	33.5	6.0
1981				
January	550.4	508.7	41.7	7.6
February ...	548.1	506.5	41.6	7.6
March	562.0	520.9	41.1	7.3
April	566.6	532.5	34.1	6.0
May	578.6	540.8	37.8	6.5
June	577.1	536.2	40.9	7.1
July	583.8	538.0	45.8	7.8
August	579.5	534.9	44.6	7.7
September ..	571.9	522.3	49.6	8.7
October	575.6	529.5	46.1	8.0
November[p] ..	581.3	531.0	50.3	8.6

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1970	352.8	336.6	16.2	4.6
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	379.6	362.3	17.3	4.6
1979	390.6	366.5	24.1	6.2
1980	389.0	359.8	29.2	7.5
1980				
November ..	390.8	360.8	30.0	7.7
December ..	384.2	356.7	27.5	7.2
1981				
January ...	379.5	347.5	32.0	8.4
February ..	377.8	347.3	30.5	8.1
March	387.5	357.5	30.0	7.8
April	389.1	364.3	24.8	6.4
May	397.2	369.4	27.8	7.0
June	393.7	364.0	29.7	7.5
July	399.2	364.1	35.1	8.8
August	394.7	360.9	33.8	8.6
September .	391.3	357.1	34.3	8.8
October ...	392.3	358.8	33.4	8.5
November[p] .	395.7	359.0	36.7	9.3

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
TOLEDO[h]				
1970	315.8	298.4	17.4	5.5
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	361.2	338.8	22.4	6.2
1979	366.4	340.1	26.3	7.2
1980	367.5	329.3	38.2	10.4
1980				
November ...	370.8	331.8	39.0	10.5
December ...	364.2	327.9	36.3	10.0
1981				
January	357.9	317.8	40.1	11.2
February ...	356.8	313.8	43.0	12.1
March	364.6	324.5	40.0	11.0
April	365.9	333.8	32.1	8.8
May	373.9	340.2	33.8	9.0
June	374.1	339.3	34.7	9.3
July	375.1	335.4	39.6	10.6
August	372.2	332.5	39.8	10.7
September ..	367.8	326.6	41.2	11.2
October.....	372.7	331.1	41.6	11.2
November[p] ..	372.0	329.6	42.4	11.4

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
YOUNGSTOWN-WARREN[i]				
1970	218.5	205.1	13.4	6.1
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	234.3	216.6	17.7	7.5
1979	236.2	219.1	17.1	7.2
1980	237.5	209.5	28.0	11.8
1980				
November ..	236.5	207.3	29.2	12.4
December ..	230.8	200.8	29.9	13.0
1981				
January ...	231.4	195.8	35.6	15.4
February ..	228.3	193.8	34.5	15.1
March	228.4	200.8	27.6	12.1
April	229.5	208.3	21.1	9.2
May	234.1	213.1	21.0	9.0
June	233.5	211.5	22.0	9.4
July	237.1	211.8	25.3	10.7
August	234.2	206.8	27.4	11.7
September .	231.0	205.2	25.8	11.2
October ...	230.2	204.8	25.4	11.0
November[p] .	235.5	206.0	29.4	12.5

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1970	4,388	4,152	236	5.4	4.9
1971	4,412	4,125	286	6.5	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,615	4,417	198	4.3	4.9
1974	4,698	4,474	225	4.8	5.6
1975	4,711	4,282	428	9.1	8.5
1976	4,737	4,367	369	7.8	7.7
1977	4,815	4,504	311	6.5	7.0
1978	4,937	4,670	267	5.4	6.0
1979	5,036	4,739	297	5.9	5.8
1980	5,086	4,659	426	8.4	7.1
1980					
December.	5,004	4,574	430	8.6	6.9
1981					
January .	4,970	4,453	517	10.4	8.2
February.	4,941	4,445	496	10.0	8.0
March ...	5,054	4,584	470	9.3	7.7
April ...	5,076	4,691	385	7.6	7.0
May	5,187	4,773	414	8.0	7.1
June	5,166	4,730	435	8.4	7.7
July	5,246	4,751	495	9.4	7.3
August ..	5,189	4,702	488	9.4	7.2
September	5,104	4,593	511	10.0	7.3
October .	5,112	4,607	505	9.9	7.5
November.	5,151	4,590	562	10.9	7.9
December.	5,105	4,504	601	11.8	8.3

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1970	3,880.6	1,409.9	2,470.7
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,398.8	1,267.5	3,131.4
1980			
December.	4,420.1	1,253.3	3,166.8
1981			
January .	4,303.8	1,239.9	3,063.9
February.	4,297.0	1,237.1	3,059.9
March ...	4,330.8	1,247.7	3,083.1
April ...	4,370.5	1,256.5	3,114.0
May	4,402.3	1,256.4	3,145.9
June	4,422.9	1,261.2	3,161.7
July	4,365.4	1,247.2	3,118.2
August ..	4,355.0	1,242.7	3,112.3
September	4,398.0	1,258.6	3,139.5
October .	4,402.1	1,237.8	3,164.3
November.	4,380.0	1,217.6	3,162.3
December.	4,341.9	1,184.2	3,157.7

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1970	20.6	164.2	225.0	185.0	588.2	154.2	568.0	565.5
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	183.5	232.1	232.8	742.4	200.6	805.6	674.0
1980	30.8	180.1	225.1	229.4	740.6	205.7	830.2	689.6
1980								
December.	31.0	174.6	224.0	228.9	766.3	207.2	830.9	703.9
1981								
January .	30.8	150.2	217.9	227.1	722.0	206.5	818.4	691.1
February.	30.4	146.1	216.9	226.3	709.9	206.1	827.4	696.7
March ...	30.5	152.2	217.7	227.1	715.9	206.6	835.7	697.4
April ...	20.9	163.0	219.7	227.8	729.9	207.1	853.3	692.3
May	21.4	169.7	219.8	227.7	739.5	208.0	862.0	697.8
June	30.3	176.0	220.6	229.4	741.6	209.6	870.0	684.2
July	31.3	181.5	220.8	229.1	738.0	210.1	864.9	642.4
August ..	31.3	182.1	221.3	228.7	740.6	210.5	865.2	632.7
September	31.6	180.6	221.8	228.4	744.0	209.4	870.6	653.1
October .	31.3	180.9	221.8	228.2	742.5	209.2	868.3	682.0
November.	31.4	175.7	221.1	227.9	749.1	208.7	862.7	635.7
December.	31.0	163.2	221.1	227.9	760.7	209.5	858.5	685.8

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1970	[illegible]	1,002.5	407.4	1,015.2	$157.4	41.2
1971	1,333.5	936.1	[illegible]	958.1	[illegible]	[illegible]
1972	1,346.8	948.8	398.0	[illegible]	181.[illegible]	40.7
1973	1,420.3	1,016.[illegible]	406.1	1,045.[illegible]	[illegible]	44.0
1974	1,416.6	1,013.1	403.5	1,036.5	217.[illegible]	42.3
1975	[illegible]	892.4	375.1	889.3	201.[illegible]	36.[illegible]
1976	1,296.2	916.[illegible]	[illegible]	927.[illegible]	232.8	38.[illegible]
1977	1,344.1	965.2	378.9	[illegible]	271.2	40.2
1978	[illegible]	974.5	402.[illegible]	985.5	300.5	41.[illegible]
1979	1,387.2	985.8	401.8	[illegible]	318.5	[illegible]
1980	[illegible]	885.1	382.3	864.2	300.[illegible]	35.1
1980 December.	1,28[illegible].9	[illegible]	378.[illegible]	861.2	333.[illegible]	36.5
1981 January .	[illegible]	864.3	375.[illegible]	848.5	319.[illegible]	34.[illegible]
February.	[illegible]	862.0	375.[illegible]	848.7	316.[illegible]	34.3
March ...	[illegible]	873.[illegible]	373.[illegible]	856.5	[illegible]	35.0
April ...	[illegible]	881.[illegible]	375.1	865.4	334.9	35.5
May	1,2[illegible].4	889.[illegible]	376.[illegible]	865.3	338.4	35.[illegible]
June	1,281.[illegible]	896.8	376.[illegible]	[illegible]	345.4	[illegible]
July	[illegible]	882.[illegible]	378.3	854.3	331.6	34.[illegible]
August ..	[illegible]	[illegible]	380.6	[illegible]	335.[illegible]	34.8
September	[illegible]	876.[illegible]	38[illegible]	860.7	344.0	35.5
October .	[illegible]	864.[illegible]	373.8	847.1	333.3	34.2
November.	[illegible]	840.[illegible]	[illegible]	[illegible]	330.0	33.7
December.	1,184.2	815.[illegible]	[illegible]	798.5	317.5	32.[illegible]

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1970	$155.09	$157.93	$147.46	40.6	40.6	40.4	$3.82	$3.89	$3.65
1971	167.68	171.36	158.77	40.7	40.8	40.4	4.12	4.20	3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.1[illegible]	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.4	41.4	41.3	6.10	6.25	5.69
1977	283.08	290.82	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1980 December.	386.90	401.00	349.43	42.1	42.3	41.5	9.19	9.48	8.42
1981 January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.96	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.62	408.63	371.28	40.8	40.7	40.8	9.77	10.04	9.10

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Trans-portation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1970	69.9	168.2	170.2	228.9	144.3	152.9	81.8	71.2	100.2
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.6	223.5	117.8	165.8	74.4	67.6	106.7
1980	64.6	139.6	157.5	213.8	107.6	138.7	72.9	67.8	92.9
1980									
December.	63.3	138.4	155.3	210.4	106.0	139.2	71.1	67.3	92.2
1981									
January .	62.7	138.3	151.9	209.0	105.6	135.0	69.9	67.2	91.2
February.	62.3	137.9	152.5	209.9	104.6	133.4	69.6	67.0	90.2
March ...	62.3	139.1	154.9	209.9	103.6	141.2	69.2	67.0	90.2
April ...	63.1	141.5	156.6	209.7	105.0	142.1	68.9	66.7	91.2
May	63.5	141.0	157.0	208.8	105.7	141.4	68.7	66.6	91.1
June	64.1	142.1	157.9	209.0	105.3	141.8	69.8	66.8	90.5
July	63.2	140.0	155.7	206.9	105.7	137.1	69.4	67.1	89.1
August ..	64.0	140.5	153.4	204.1	106.6	133.0	71.8	67.1	88.9
September	63.7	141.6	156.2	206.2	107.5	138.0	73.9	67.3	89.7
October .	62.1	138.1	154.5	204.0	105.5	135.6	70.5	67.4	88.5
November.	61.6	135.1	152.4	200.4	103.5	131.5	69.3	66.9	87.4
December.	60.1	127.0	148.7	199.9	100.5	117.5	69.4	66.7	85.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1970	$146.88	$162.41	$161.16	$160.63	$149.11	$175.03	$152.31	$163.51	$153.54
1971	162.96	177.36	173.40	169.33	159.20	198.55	163.49	173.82	162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.89	329.85	320.92	323.61
1980									
December.	344.00	476.43	388.44	387.82	348.20	481.57	351.51	346.71	365.01
1981									
January .	334.95	463.56	379.61	377.10	341.07	450.94	352.79	336.93	358.11
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.03	359.96
October .	356.65	475.61	390.98	393.72	366.93	477.02	368.33	356.45	374.54
November.	361.97	488.03	391.78	402.82	369.15	476.10	378.84	363.65	371.08
December.	358.16	491.67	390.91	404.21	366.02	479.23	380.94	372.01	379.96

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	4341.9	[illegible]	4420.1	- .9	- 1.8
MANUFACTURING	1184.8	1217.0	1253.3	- 2.7	- 5.5
Durable Goods[e]	[illegible]	[illegible]	874.7	- 3.7	- 6.8
Lumber and wood products	12.8	13.0	12.9	- 1.4	- .5
Furniture and fixtures	14.4	13.8	14.9	4.4	- 3.3
Household furniture	6.5	5.8	6.6	12.1	- .6
Stone, clay, and glass products	60.1	61.6	63.3	- 2.4	- 5.0
Glass and glassware, pressed or blown	14.8	14.9	15.2	- .9	- 2.9
Structural clay products	5.8	6.1	6.6	- 5.5	- 11.8
Pottery and related products	6.4	6.5	7.1	- 2.8	- 10.3
Primary metal industries	127.0	135.3	138.4	- 6.0	- 8.2
Blast furnace and basic steel products	68.6	70.0	70.7	- 2.0	- 3.0
Iron and steel foundries	21.8	27.3	28.5	- 20.3	- 23.6
Nonferrous rolling and drawing	19.3	19.9	21.1	- 2.8	- 8.6
Nonferrous foundries	9.5	9.3	9.8	2.2	- 3.0
Fabricated metal products	148.7	152.4	155.3	- 2.4	- 4.2
Cutlery, hand tools, and hardware	12.8	13.4	14.2	- 4.4	- 10.0
Plumbing and heating, except electric	5.4	5.7	5.7	- 6.0	- 6.0
Fabricated structural metal products	34.9	35.3	37.4	- 1.2	- 6.5
Screw machine products, bolts, etc.	10.8	11.0	10.4	- 1.6	4.3
Metal forgings and stampings	40.1	42.1	43.0	- 4.7	- 6.9
Machinery, except electrical	199.8	200.4	210.4	- .3	- 5.0
Construction and related machinery	25.4	25.3	25.5	.5	- .6
Metalworking machinery	53.8	54.1	57.1	- .5	- 5.7
Special industry machinery	22.1	22.3	23.9	- .7	- 7.6
General industrial machinery	37.1	37.5	39.0	- 1.0	- 4.8
Electric and electronic equipment	100.5	103.5	106.0	- 2.9	- 5.2
Electrical industrial apparatus	24.1	24.2	24.5	- .6	- 1.8
Household appliances	19.3	20.9	20.3	- 7.4	- 4.8
Electric lighting and wiring equipment	19.0	19.5	20.2	- 2.6	- 5.8
Communication equipment	11.6	11.7	12.3	- .9	- 5.6
Transportation equipment	117.5	131.5	139.2	- 10.7	- 15.6
Motor vehicles and equipment	72.7	85.9	91.0	- 15.4	- 20.1
Aircraft and parts	36.2	36.2	38.9	- .1	- 7.0
Instruments and related products	20.5	20.7	20.3	- 1.1	1.1
Measuring and controlling devices	12.2	12.4	12.3	- 1.6	- .6
Nondurable Goods[f]	368.7	370.9	378.6	- .6	- 2.6
Food and kindred products	69.4	69.3	71.1	.1	- 2.4
Meat products	11.6	11.5	12.1	1.0	- 4.5
Dairy products	11.5	11.5	12.0	.1	- 3.9
Bakery products	11.0	11.0	11.6	- .8	- 5.8
Beverages	10.9	10.9	10.9	.6	- .1
Textile mill products	4.9	5.0	5.1	- 2.5	- 3.7
Apparel and other textile products	17.1	17.4	16.7	- 1.5	2.3
Paper and allied products	38.3	38.5	39.1	- .5	- 2.0
Paper mills, except building paper	10.1	10.0	10.1	.2	- .6
Misc. converted paper products	11.8	11.9	11.7	- .8	.7
Paperboard containers and boxes	12.9	13.0	13.7	- .7	- 5.7
Printing and publishing	66.7	66.9	67.3	- .3	- .9
Newspapers	19.8	19.8	19.9	- .1	- .5
Commercial printing	25.6	25.9	26.4	- .9	- 3.0
Chemicals and allied products	68.3	68.0	68.1	.4	.3
Industrial inorganic chemicals	13.3	13.3	13.0	.0	1.9
Plastics materials and synthetics	9.6	9.4	9.7	2.5	- .4
Petroleum and coal products	12.7	12.7	13.5	.0	- 5.9
Rubber and misc. plastics products	85.7	87.4	92.2	- 1.9	- 7.0
Tires and inner tubes	23.5	23.5	25.9	- .1	- 9.3
Miscellaneous plastics products	42.2	43.3	45.6	- 2.6	- 7.4
Leather and leather products	5.5	5.5	5.4	- 1.2	1.4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.62	$398.45	$386.90	40.8	40.7	42.1	$ 9.77	$ 9.79	$ 9.19
Durable Goods[d]	408.63	410.26	401.00	40.7	40.7	42.3	10.04	10.08	9.48
Lumber and wood products	267.63	264.88	239.01	39.3	39.3	38.8	6.81	6.74	6.16
Furniture and fixtures	292.79	295.42	278.87	39.3	39.6	39.5	7.45	7.46	7.06
Household furniture	257.85	253.44	248.19	38.6	38.4	38.2	6.68	6.60	6.34
Stone, clay, and glass products	358.16	361.97	344.00	40.7	40.9	41.9	8.80	8.85	8.21
Glass and glassware, pressed or blown	387.03	392.35	358.97	40.4	40.2	40.7	9.58	9.76	8.82
Structural clay products	277.98	273.48	255.12	41.0	40.1	39.8	6.78	6.82	6.41
Pottery and related products	272.63	274.23	262.48	37.5	38.3	38.6	7.27	7.16	6.80
Primary metal industries	491.67	488.03	476.43	40.6	40.5	42.5	12.11	12.05	11.21
Blast furnace and basic steel products	530.96	528.33	499.20	40.5	40.3	41.6	13.11	13.11	12.00
Iron and steel foundries	456.64	449.08	447.98	41.4	40.9	43.2	11.03	10.98	10.37
Nonferrous rolling and drawing	465.47	465.27	512.46	38.5	39.0	43.8	12.09	11.93	11.70
Nonferrous foundries	353.70	340.25	339.33	42.0	40.7	42.1	8.41	8.36	8.06
Fabricated metal products	390.91	391.78	388.44	40.3	40.1	41.5	9.70	9.77	9.36
Cutlery, hand tools, and hardware	406.42	401.79	404.21	40.4	39.9	40.1	10.06	10.07	10.08
Plumbing and heating, except electric	306.32	312.44	287.57	38.1	39.4	38.6	8.04	7.93	7.45
Fabricated structural metal products	369.15	369.77	344.35	40.7	40.5	40.8	9.07	9.13	8.44
Screw machine products, bolts, etc.	348.39	361.10	322.97	39.5	39.9	39.1	8.82	9.05	8.26
Metal forgings and stampings	451.13	450.20	482.72	40.1	39.7	43.1	11.25	11.34	11.20
Machinery, except electrical	404.21	402.82	387.82	41.5	41.4	42.9	9.74	9.73	9.04
Construction and related machinery	422.77	409.28	367.61	41.9	41.3	40.8	10.09	9.91	9.01
Metalworking machinery	403.24	399.34	394.94	41.4	41.0	43.4	9.74	9.74	9.10
Special industry machinery	397.32	384.08	352.03	44.0	42.3	43.3	9.03	9.08	8.13
General industrial machinery	401.53	395.44	370.05	40.6	40.6	41.3	9.89	9.74	8.96
Electric and electronic equipment	366.02	369.15	348.20	40.4	40.7	41.7	9.06	9.07	8.35
Electrical industrial apparatus	348.17	358.97	344.32	39.7	40.7	42.3	8.77	8.82	8.14
Household appliances	396.57	398.16	358.98	40.3	40.3	41.5	9.84	9.88	8.65
Electric lighting and wiring equipment	317.20	332.11	324.58	39.6	40.8	41.4	8.01	8.14	7.84
Communication equipment	417.79	422.51	384.87	40.8	41.1	40.9	10.24	10.28	9.41
Transportation equipment	479.23	476.10	481.57	41.6	41.4	44.1	11.52	11.50	10.92
Motor vehicles and equipment	490.28	491.10	505.56	41.2	41.2	44.7	11.90	11.92	11.31
Aircraft and parts	443.87	446.04	413.84	41.6	42.0	42.1	10.67	10.62	9.83
Instruments and related products	281.16	275.01	260.76	39.6	39.4	41.0	7.10	6.98	6.36
Measuring and controlling devices	284.14	278.48	263.04	39.3	39.5	41.1	7.23	7.05	6.40
Nondurable Goods[d]	371.28	367.43	349.43	40.8	40.6	41.5	9.10	9.05	8.42
Food and kindred products	380.94	378.64	351.51	42.0	42.0	42.3	9.07	9.02	8.31
Meat products	439.49	444.71	399.75	43.6	43.9	42.8	10.08	10.13	9.34
Dairy products	371.91	363.23	334.89	43.6	43.5	43.1	8.53	8.35	7.77
Bakery products	375.36	365.81	350.69	40.8	40.6	41.6	9.20	9.01	8.43
Beverages	357.06	334.22	317.25	40.9	39.6	42.3	8.73	8.44	7.50
Textile mill products	253.49	267.58	252.46	38.7	39.7	40.2	6.55	6.74	6.28
Apparel and other textile products	213.90	210.36	209.61	37.2	37.1	39.2	5.75	5.67	5.33
Paper and allied products	377.44	380.98	356.84	42.6	43.0	44.0	8.86	8.86	8.11
Paper mills, except building paper	475.75	485.10	449.71	46.1	46.2	48.2	10.32	10.50	9.33
Misc. converted paper products	335.58	337.64	313.44	42.0	42.1	42.3	7.99	8.02	7.41
Paperboard containers and boxes	332.83	336.61	325.46	40.1	41.1	42.6	8.30	8.19	7.64
Printing and publishing	372.01	363.65	346.71	39.2	38.4	39.0	9.49	9.47	8.89
Newspapers	340.32	326.02	324.14	34.1	33.2	34.3	9.98	9.82	9.45
Commercial printing	390.31	390.10	365.31	40.7	40.3	40.5	9.59	9.68	9.02
Chemicals and allied products	397.85	394.94	368.30	41.1	40.8	41.9	9.68	9.68	8.79
Industrial inorganic chemicals	434.10	435.11	400.98	41.7	41.4	41.9	10.41	10.51	9.57
Plastics materials and synthetics	424.37	414.96	405.72	42.1	42.0	43.3	10.08	9.88	9.37
Petroleum and coal products	525.16	535.82	493.12	42.8	42.9	43.6	12.27	12.49	11.31
Rubber and misc. plastics products	379.96	371.08	365.01	40.9	40.6	42.1	9.29	9.14	8.67
Tires and inner tubes	522.45	522.65	474.59	43.0	43.7	43.5	12.15	11.96	10.91
Miscellaneous plastics products	364.91	351.84	358.64	40.1	39.4	41.8	9.10	8.93	8.58
Leather and leather products	192.24	191.21	165.89	37.4	37.2	36.3	5.14	5.14	4.57

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1981 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
NONMANUFACTURING	3157.7	3162.3	3166.8	- .1	- .3
MINING	31.0	31.4	31.0	- 1.2	.1
Bituminous coal and lignite mining	14.9	15.0	15.6	- .4	- 4.3
CONSTRUCTION	163.2	175.7	174.6	- 7.1	- 6.6
General building contractors	41.4	43.5	45.1	- 4.9	- 8.2
Heavy construction contractors	22.3	26.1	23.2	- 14.3	- 3.8
TRANSPORTATION AND PUBLIC UTILITIES	221.1	221.1	224.0	.0	- 1.3
Railroad transportation	27.6	27.7	28.9	- .2	- 4.2
Transportation, except railroads	98.3	98.3	100.6	.0	- 2.3
Trucking and warehousing	74.8	74.7	76.6	.2	- 2.3
Communication, electric, gas services ..	95.2	95.2	94.5	.0	.7
Communication	54.4	54.4	53.9	- .1	.9
Electric, gas, and sanitary services .	40.8	40.7	40.6	.3	.5
WHOLESALE TRADE	227.9	227.9	228.9	.0	- .4
Wholesale trade-durable goods	146.2	146.2	147.5	.0	- .9
Motor vehicles & automotive equipment.	19.6	19.6	20.9	- .2	- 6.3
Electrical goods	18.8	18.7	18.8	.6	- .1
Machinery, equipment, and supplies ...	63.6	63.4	62.5	.3	1.7
Wholesale trade-nondurable goods	81.7	81.7	81.4	.0	.4
Groceries and related products	23.8	23.7	23.6	.2	.9
RETAIL TRADE	760.7	749.1	766.3	1.5	- .7
General merchandise stores	132.3	125.3	140.4	5.5	- 5.8
Department stores	121.6	115.1	128.8	5.6	- 5.6
Food stores	121.7	120.7	121.2	.9	.4
Automotive dealers & service stations ..	72.6	73.2	76.8	- .8	- 5.5
Apparel and accessory stores	39.7	37.5	40.1	5.9	- .9
FINANCE, INSURANCE, AND REAL ESTATE	209.5	208.7	207.2	.4	1.1
Banking	59.1	59.0	59.1	.2	.0
Credit agencies other than banks	30.8	30.5	31.0	.7	- .6
Insurance carriers	59.6	59.4	58.9	.3	1.1
SERVICES	858.5	862.7	830.9	- .5	3.3
Hotels and other lodging places	29.5	29.9	30.3	- 1.4	- 2.6
Laundry, cleaning, & garment services ..	17.6	17.8	17.9	- 1.0	- 1.8
Business services	125.0	125.5	121.9	- .4	2.5
Health services	301.6	300.8	286.0	.2	5.4
Hospitals	167.9	167.2	160.6	.4	4.5
GOVERNMENT	685.8	685.7	703.9	.0	- 2.6
Federal government	88.3	88.2	89.7	.1	- 1.6
State government	145.4	146.5	149.6	- .7	- 2.8
State government, except education ...	70.9	70.7	71.9	.3	- 1.3
State government education	74.5	75.8	77.8	- 1.7	- 4.2
Local government	452.1	451.0	464.6	.2	- 2.7
Local government, except education ...	184.1	184.8	193.1	- .4	- 4.7
Local government education	268.0	266.2	271.4	.7	- 1.2

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
DECEMBER 1981 (Continued)

Industry	Average weekly Earnings			Average weekly Hours			Average hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$461.22	$4[illegible]	$414.85	43.8	44.9	[illegible]	$10.57	$10.[illegible]	$ [illegible].64
Bituminous coal and lignite mining	549.31	5[illegible]	405.58	43.7	43.4	31.8	12.58	[illegible]	11.[illegible]
CONSTRUCTION	[illegible]	[illegible]	580.29	37.2	37.8	35.1	14.05	14.[illegible]	[illegible].94
General building contractors	[illegible]	[illegible]	447.54	36.4	36.[illegible]	36.1	12.07	[illegible]	[illegible]
Heavy construction contractors	[illegible]	[illegible]	488.87	38.2	38.4	[illegible]	15.5[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	4[illegible].99	4[illegible]	419.37	37.5	36.5	35.9	11.[illegible]	11.[illegible]	[illegible]
Communication, electric, gas services ..	409.[illegible]	411.06	373.79	40.7	40.4	40.1	10.11	10.[illegible]	[illegible].39
Communication	401.1[illegible]	395.56	377.40	39.6	39.[illegible]	40.3	10.13	[illegible]	[illegible].37
Electric, gas, and sanitary services ..	413.[illegible]	405.11	391.[illegible]	41.7	41.6	41.2	[illegible]	[illegible]	[illegible].50
WHOLESALE TRADE	30[illegible]	305.31	290.10	39.1	39.0	39.9	7.8[illegible]	7.[illegible]	7.28
Wholesale trade—durable goods	311.[illegible]	301.[illegible]	283.06	39.1	39.[illegible]	39.7	7.[illegible]	7.[illegible]	7.13
Motor vehicles & automotive equipment,	275.06	275.41	277.90	39.0	38.9	39.[illegible]	7.14	7.[illegible]	7.0[illegible]
Electrical goods	254.51	251.94	234.24	37.1	36.8	38.4	6.86	6.8[illegible]	6.1[illegible]
Machinery, equipment, and supplies ...	319.15	317.17	294.62	38.3	39.4	39.6	8.0[illegible]	8.[illegible]	7.44
Wholesale trade—nondurable goods	317.9[illegible]	313.[illegible]	291.04	39.[illegible]	38.7	38.6	8.14	8.[illegible]	7.54
Groceries and related products	362.[illegible]	346.50	329.01	42.5	41.0	41.3	8.54	8.[illegible]	7.[illegible]
RETAIL TRADE[f]	154.3[illegible]	150.[illegible]	146.89	29.7	29.1	30.1	5.2[illegible]	5.[illegible]	4.88
General merchandise stores	155.[illegible]	150.45	145.[illegible]	31.1	29.5	31.4	4.9[illegible]	5.[illegible]	4.64
Department stores	156.[illegible]	150.[illegible]	147.[illegible]	31.1	29.5	31.4	5.04	5.1[illegible]	4.69
Food stores	236.9[illegible]	2[illegible]	2[illegible].43	31.9	31.8	33.[illegible]	7.4[illegible]	7.[illegible]	6.[illegible]
Automotive dealers & service stations ..	195.[illegible]	193.47	193.90	37.5	37.4	37.5	5.[illegible]	5.[illegible]	5.1[illegible]
Apparel and accessory stores	115.[illegible]	1[illegible].24	119.97	28.4	26.[illegible]	29.[illegible]	4.08	4.[illegible]	3.99
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	190.74	189.[illegible]	176.57	....	....	....	....	....	....
Credit agencies other than banks	194.[illegible]	194.[illegible]	180.55	....	....	....	....	....	....
Insurance carriers	2[illegible]	2[illegible]	237.01	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services ..	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	244.9[illegible]	245.[illegible]	219.64	33.6	33.[illegible]	34.0	[illegible]	7.[illegible]	6.46
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education ...	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	259.0	259.5	263.7	- .2	- 1.8
MANUFACTURING	74.4	74.9	77.8	- .7	- 4.3
Durable Goods[e]	37.6	38.0	38.3	- .8	1.6
Stone, clay, and glass products	2.0	2.0	2.0	.3	- .2
Fabricated metal products	14.0	14.3	15.1	- 1.6	- 7.0
Machinery, except electrical	11.3	11.3	11.3	- .2	.0
Special industry machinery	2.2	2.2	2.4	.3	- 6.6
Nondurable Goods[f]	36.8	36.9	39.5	- .5	- 7.0
Food and kindred products	2.4	2.4	2.9	- 1.3	- 16.5
Chemicals and allied products	3.6	3.6	3.5	- .1	3.7
Rubber and misc. plastics products	25.5	25.6	28.0	- .6	- 9.1
Tires and inner tubes	19.4	19.4	21.8	- .1	- 11.2
NONMANUFACTURING[g]	184.6	184.6	185.9	.0	- .7
CONSTRUCTION	7.3	8.1	7.7	- 9.0	- 4.5
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.7	13.9	- .6	- 2.2
Communication, electric, gas services ..	5.4	5.4	5.4	.1	1.8
WHOLESALE TRADE	11.9	11.8	11.8	.3	.4
RETAIL TRADE	45.7	44.9	46.6	1.7	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	9.0	9.0	9.3	.2	- 2.6
SERVICES	51.4	51.5	49.8	- .3	3.3
GOVERNMENT	45.2	45.1	46.4	.2	- 2.6
State government (includes education) ..	14.4	14.4	14.7	.4	- 2.0
Local government (includes education) ..	28.7	28.7	29.6	.2	- 3.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.72	$404.21	$388.88	42.2	41.5	42.5	$ 9.78	$ 9.74	$ 9.15
Durable Goods[d]	408.74	393.18	376.37	42.8	41.3	42.1	9.55	9.52	8.94
Stone, clay, and glass products	370.30	372.86	357.30	41.7	41.8	43.1	8.88	8.92	8.29
Fabricated metal products	408.20	379.42	364.60	42.3	39.4	38.5	9.65	9.63	9.47
Machinery, except electrical	415.09	407.45	384.65	44.3	43.3	45.2	9.37	9.41	8.51
Special industry machinery	377.15	372.34	353.33	43.4	42.7	43.3	8.69	8.72	8.16
Nondurable Goods[e]	417.31	417.58	404.28	41.4	41.8	43.1	10.08	9.99	9.38
Food and kindred products	424.55	413.95	395.63	46.5	46.2	46.6	9.13	8.96	8.49
Chemicals and allied products	383.91	399.75	399.05	40.2	41.0	43.9	9.55	9.75	9.09
Rubber and misc. plastics products	442.88	442.23	419.58	41.9	42.4	43.3	10.57	10.43	9.69
Tires and inner tubes	538.70	543.40	490.80	43.2	44.0	43.9	12.47	12.35	11.18
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	492.32	539.92	500.64	37.1	39.7	38.6	13.27	13.60	12.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	411.68	412.90	380.30	40.4	40.6	40.5	10.19	10.17	9.39
WHOLESALE TRADE	282.34	281.62	277.22	38.0	37.6	39.1	7.43	7.49	7.09
RETAIL TRADE[f]	177.37	173.35	162.86	30.9	30.2	31.2	5.74	5.74	5.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	156.2	156.0	156.3	.1	- .1
MANUFACTURING	54.6	54.8	54.5	- .4	.1
Durable Goods[e]	42.9	43.1	42.4	- .4	1.0
Stone, clay, and glass products	2.3	2.3	2.2	- .7	5.7
Primary metal industries	13.6	13.7	13.6	- 1.2	- .4
Fabricated metal products	9.5	9.3	9.7	2.1	- 1.7
Fabricated structural metal products	3.4	3.5	3.7	- .3	- 6.8
Metal forgings and stampings	2.8	2.5	2.7	9.5	2.5
Nondurable Goods[f]	11.7	11.8	12.1	- .5	- 3.0
Food and kindred products	4.3	4.2	4.3	1.8	- .2
Rubber and misc. plastics products	3.0	3.0	3.1	- .9	- 3.7
NONMANUFACTURING[g]	101.6	101.2	101.8	.4	- .2
CONSTRUCTION	5.0	5.3	5.5	- 5.6	- 8.2
TRANSPORTATION AND PUBLIC UTILITIES	7.3	7.2	7.0	.4	3.0
Communication, electric, gas services	3.1	3.1	3.0	.0	2.2
WHOLESALE TRADE	7.1	7.1	7.1	.1	- .5
RETAIL TRADE	26.4	26.0	26.6	1.5	- .4
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	.3	1.2
SERVICES	29.7	29.8	28.9	- .4	2.7
GOVERNMENT	18.7	18.3	19.2	1.9	- 2.7
Local government (includes education)	15.5	15.2	15.9	2.0	- 2.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.00	$398.40	$375.32	40.0	39.8	40.4	$10.10	$10.01	$ 9.29
Durable Goods[d]	411.29	403.22	382.85	39.7	39.3	40.3	10.36	10.26	9.50
Stone, clay, and glass products	272.83	269.12	243.36	41.4	40.9	40.9	6.59	6.58	5.95
Primary metal industries	457.38	452.54	449.12	37.8	37.4	40.1	12.10	12.10	11.20
Fabricated metal products	406.61	421.30	399.27	39.4	40.2	40.7	10.32	10.48	9.81
Fabricated structural metal products	421.28	464.98	339.96	42.9	45.1	37.9	9.82	10.31	8.97
Metal forgings and stampings	474.36	488.42	506.48	40.2	40.6	43.7	11.80	12.03	11.59
Nondurable Goods[e]	376.82	375.65	348.12	41.5	41.6	41.1	9.08	9.03	8.47
Food and kindred products	446.22	443.41	405.74	42.7	42.8	41.7	10.45	10.36	9.73
Rubber and misc. plastics products	365.41	372.73	340.76	44.4	45.4	43.8	8.23	8.21	7.78
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	486.40	519.00	456.09	35.4	37.5	36.4	13.74	13.84	12.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	422.10	422.10	391.98	41.1	41.1	41.7	10.27	10.27	9.40
WHOLESALE TRADE	299.43	284.10	271.75	40.3	38.6	39.1	7.43	7.36	6.95
RETAIL TRADE[f]	148.30	145.50	139.97	29.9	29.1	30.1	4.96	5.00	4.65
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	608.5	609.4	610.6	-.1	-.3
MANUFACTURING	161.0	162.0	163.8	-.6	-1.7
Durable Goods[e]	89.1	90.1	91.8	-1.1	-2.9
Furniture and fixtures	2.4	2.4	2.7	.2	-8.4
Primary metal industries	2.5	2.5	2.2	1.4	14.2
Fabricated metal products	14.2	14.4	15.1	-1.0	-6.1
Fabricated structural metal products	4.9	5.0	5.5	-1.5	-10.6
Machinery, except electrical	26.0	25.9	26.3	.3	-1.0
Metalworking machinery	13.2	13.3	13.5	-.3	-2.1
General industrial machinery	3.9	3.9	4.1	-.9	-5.3
Electric and electronic equipment	9.1	9.2	8.9	-.9	2.4
Transportation equipment	23.5	24.2	25.5	-3.1	-8.1
Motor vehicles and equipment	8.1	8.8	9.0	-8.7	-10.3
Nondurable Goods[f]	71.9	71.8	72.0	.1	-.1
Food and kindred products	16.6	16.6	16.3	.3	2.0
Meat products	2.1	2.1	2.3	.0	-8.4
Bakery products	2.5	2.5	2.4	.4	4.4
Beverages	5.5	5.4	5.0	1.8	10.4
Apparel and other textile products	4.5	4.5	4.1	.5	10.6
Paper and allied products	7.2	7.2	7.4	-.2	-2.2
Printing and publishing	12.2	12.2	12.5	-.3	-3.1
Chemicals and allied products	22.6	22.6	22.5	.1	.7
Rubber and misc. plastics products	4.6	4.5	4.8	1.0	-4.3
NONMANUFACTURING[g]	447.5	447.4	446.8	.0	.2
CONSTRUCTION	24.7	26.0	26.0	-4.9	-4.9
TRANSPORTATION AND PUBLIC UTILITIES	33.3	33.4	34.0	-.3	-1.8
Communication, electric, gas services	14.1	14.1	14.1	.1	.1
WHOLESALE TRADE	39.2	39.1	38.7	.4	1.5
RETAIL TRADE	106.7	105.2	107.2	1.4	-.5
FINANCE, INSURANCE, AND REAL ESTATE	33.7	33.6	33.4	.4	1.0
Banking	7.4	7.3	7.4	.7	-.7
Insurance carriers	11.7	11.7	11.6	.0	.9
SERVICES	125.4	125.6	121.6	-.1	3.2
GOVERNMENT	84.0	84.2	85.6	-.2	-1.9
Federal government	12.6	12.7	12.8	-.9	-1.5
State government (includes education)	18.6	18.5	19.2	.9	-3.0
Local government	52.8	53.0	53.6	-.4	-1.5
Local government, except education	21.6	21.8	22.4	-1.1	-3.7
Local government education	31.3	31.2	31.3	.1	.0

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$372.86	$370.23	$362.95	41.2	41.0	42.6	$ 9.05	$ 9.03	$ 8.52
Durable Goods[d]	368.05	362.37	363.31	41.4	40.9	43.2	8.89	8.86	8.41
Furniture and fixtures	261.32	263.15	244.78	37.6	37.7	37.6	6.95	6.98	6.51
Primary metal industries	336.02	320.88	332.48	39.3	38.2	39.3	8.55	8.40	8.46
Fabricated metal products	363.74	356.13	348.08	41.1	40.7	42.5	8.85	8.75	8.19
Fabricated structural metal products	341.99	333.91	337.78	43.4	42.7	45.4	7.88	7.82	7.44
Machinery, except electrical	364.17	348.91	330.93	42.1	41.0	42.7	8.65	8.51	7.75
Metalworking machinery	391.28	380.18	365.33	42.3	41.1	43.7	9.25	9.25	8.36
General industrial machinery	348.71	334.40	307.22	40.5	40.0	42.2	8.61	8.36	7.28
Electric and electronic equipment	291.72	288.55	265.28	40.8	40.3	40.5	7.15	7.16	6.55
Transportation equipment	482.05	482.16	517.31	42.1	42.0	47.2	11.45	11.48	10.96
Motor vehicles and equipment	534.25	517.79	628.16	42.1	40.9	52.0	12.69	12.66	12.08
Nondurable Goods[e]	378.84	378.84	361.15	41.0	41.0	41.8	9.24	9.24	8.64
Food and kindred products	436.81	434.10	417.21	41.8	41.7	43.1	10.45	10.41	9.68
Meat products	519.01	520.12	462.41	46.8	46.9	43.5	11.09	11.09	10.63
Bakery products	398.18	391.02	394.67	43.0	42.0	44.9	9.26	9.31	8.79
Beverages	365.34	364.95	356.49	39.2	39.2	41.5	9.32	9.31	8.59
Apparel and other textile products	226.00	216.72	201.74	38.5	38.7	38.5	5.87	5.60	5.24
Paper and allied products	324.12	335.02	308.10	41.5	42.3	41.3	7.81	7.92	7.46
Printing and publishing	380.40	371.50	348.16	40.0	38.9	38.9	9.51	9.55	8.95
Chemicals and allied products	416.30	421.64	402.12	41.3	41.5	43.1	10.08	10.16	9.33
Rubber and misc. plastics products	306.45	318.32	329.38	41.3	42.9	43.8	7.42	7.42	7.52
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	526.92	536.20	496.91	38.1	38.3	38.7	13.83	14.00	12.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	380.83	388.09	346.82	38.9	39.4	39.1	9.79	9.85	8.87
WHOLESALE TRADE	308.90	299.93	291.80	39.3	38.7	39.7	7.86	7.75	7.35
RETAIL TRADE[f]	155.06	155.34	143.88	31.2	30.7	30.1	4.97	5.06	4.78
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	194.56	194.94	176.86	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	891.9	897.1	907.1	- .6	- 1.7
MANUFACTURING	241.1	248.0	253.6	- 2.8	- 4.9
Durable Goods[e]	174.2	180.6	186.5	- 3.6	- 6.6
Furniture and fixtures	2.4	2.4	2.5	4.0	- 1.1
Primary metal industries	25.2	28.9	28.7	- 12.9	- 12.0
Blast furnace and basic steel products	14.3	14.6	14.9	- 1.8	- 3.7
Iron and steel foundries	3.1	6.6	6.1	- 52.5	- 48.6
Nonferrous foundries	3.0	2.9	2.8	3.2	5.6
Fabricated metal products	38.0	39.0	39.1	- 2.8	- 2.9
Fabricated structural metal products	4.2	4.2	4.1	- .4	.3
Screw machine products, bolts, etc.	6.3	6.3	6.0	.4	6.0
Metal forgings and stampings	13.3	14.4	14.2	- 7.5	- 6.2
Machinery, except electrical	46.6	46.4	48.9	.4	- 4.7
Construction and related machinery	8.2	7.9	8.6	3.0	- 4.9
Metalworking machinery	16.3	16.3	17.6	- .1	- 7.3
Special industry machinery	4.1	4.2	4.7	- .6	- 11.9
General industrial machinery	4.1	4.0	4.0	.8	1.4
Electric and electronic equipment	25.0	25.0	24.7	.1	1.1
Electrical industrial apparatus	8.9	9.0	9.2	- .5	- 2.4
Transportation equipment	21.0	22.[illegible]	26.6	- 8.0	- 21.2
Motor vehicles and equipment	14.0	15.6	18.7	- 10.6	- 25.4
Instruments and related products	5.8	5.8	5.7	.0	1.3
Nondurable Goods[f]	66.9	67.3	67.1	- .6	- .2
Food and kindred products	8.4	8.5	8.5	- .6	- 1.1
Bakery products	1.8	1.8	1.9	- 2.2	- 4.5
Beverages	1.6	1.6	1.7	- .4	- 3.7
Apparel and other textile products	5.6	5.7	5.7	- 1.4	- 1.2
Paper and allied products	5.1	5.1	5.3	- .7	- 2.8
Printing and publishing	15.5	15.5	15.0	.2	3.3
Chemicals and allied products	16.4	16.4	16.3	.2	.5
Industrial inorganic chemicals	5.1	5.0	4.9	.5	3.7
Rubber and misc. plastics products	10.0	10.4	10.6	- 3.1	- 5.1
NONMANUFACTURING[g]	650.8	649.2	653.5	.2	- .4
CONSTRUCTION	30.7	33.0	32.1	- 6.8	- 4.1
TRANSPORTATION AND PUBLIC UTILITIES	45.6	45.4	46.3	.5	- 1.6
Communication, electric, gas services	19.7	19.7	19.2	.1	2.8
WHOLESALE TRADE	62.2	62.2	63.5	.0	- 2.1
RETAIL TRADE	150.5	147.3	150.9	2.2	- .2
FINANCE, INSURANCE, AND REAL ESTATE	49.1	49.0	48.6	.3	.9
Banking	13.5	13.5	13.8	- .2	- 1.7
Insurance carriers	12.2	12.2	12.2	.0	.2
SERVICES	191.8	192.6	187.0	- .4	2.6
GOVERNMENT	119.5	118.4	123.7	.9	- 3.4
Federal government	19.8	19.4	20.4	2.3	- 2.9
State government (includes education)	7.7	7.7	8.6	.6	- 10.3
Local government	91.9	91.3	94.6	.7	- 2.8
Local government, except education	45.4	45.5	44.9	- .3	1.0
Local government education	46.6	45.8	49.7	1.7	- 6.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]

DECEMBER [illegible]

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December [illegible][p]	November [illegible][r]	December [illegible]	Dec. [illegible][p]	Nov. [illegible][r]	Dec. [illegible]	Dec. [illegible][p]	Nov. [illegible][r]	Dec. [illegible]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	[illegible]	$407.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnaces and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas, sanit. s.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (incl. education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [p] Preliminary. [r] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures, textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]

[illegible]

Industry	Employment (In Thousands)			Percent Change From[d]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION[g]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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[a] Estimates in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on [illegible] benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes units such as Ohio Department of Education and its schools for deaf and blind. [j] Includes hospital, agricultural extension service, and agricultural research center at O.S.U.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$363.37	$361.49	$334.51	40.6	40.9	40.4	$ 8.95	$ 8.84	$ 8.28
Durable Goods[d]	379.73	388.96	347.29	40.7	41.0	40.0	9.33	9.43	8.73
Stone, clay, and glass products	355.37	381.48	355.60	40.2	40.8	40.3	8.84	9.35	8.78
Fabricated metal products	417.20	429.55	423.31	40.0	40.6	40.2	10.43	10.58	10.53
Machinery, except electrical	388.37	358.75	333.72	43.2	41.0	41.2	8.99	8.75	8.10
Electric and electronic equipment	367.72	373.70	344.76	40.1	40.4	40.8	9.17	9.25	8.45
Transportation equipment	444.36	442.96	375.17	43.1	43.3	39.7	10.31	10.23	9.45
Nondurable Goods[e]	330.06	319.20	302.50	40.3	39.6	41.1	8.19	8.06	7.36
Food and kindred products	355.75	329.27	308.79	42.2	40.6	42.3	8.43	8.11	7.30
Printing and publishing	359.68	322.30	325.53	39.7	36.5	38.8	9.06	8.83	8.39
Chemicals and allied products	359.10	356.00	339.89	40.9	40.5	42.7	8.78	8.79	7.96
Rubber and misc. plastics products	281.50	285.77	269.28	40.1	41.0	41.3	7.02	6.97	6.52
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	466.83	489.66	414.78	37.8	38.9	37.3	12.35	12.59	11.12
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	425.17	425.37	404.42	40.3	40.3	41.1	10.55	10.56	9.84
WHOLESALE TRADE	294.78	293.53	282.66	39.2	39.4	39.7	7.52	7.45	7.12
RETAIL TRADE[f]	148.26	147.61	140.23	29.3	29.0	29.9	5.06	5.09	4.69
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	184.02	184.21	169.69	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education ...	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	359.3	359.5	361.0	- .1	- .5
MANUFACTURING	99.6	100.2	99.5	- .6	.1
Durable Goods[e]	68.0	68.4	67.2	- .6	1.1
Stone, clay, and glass products	2.1	2.2	2.4	- 3.0	- 10.9
Fabricated metal products	7.1	7.1	7.0	- .1	.6
Machinery, except electrical	30.6	30.5	31.4	.2	- 2.7
Metalworking machinery	6.7	6.8	7.4	- 1.0	- 8.7
Electric and electronic equipment	9.8	9.8	7.8	- .3	24.6
Electrical industrial apparatus	3.6	3.6	3.8	- .1	- 3.7
Transportation equipment	12.5	12.8	12.6	- 2.2	- .8
Nondurable Goods[f]	31.6	31.8	32.3	- .4	- 2.0
Food and kindred products	3.6	3.6	3.7	.1	- 1.7
Paper and allied products	6.1	6.0	5.9	.9	2.9
Printing and publishing	9.3	9.3	9.6	.3	- 2.9
Rubber and misc. plastics products	8.7	9.0	9.2	- 2.5	- 5.3
NONMANUFACTURING[g]	259.7	259.4	261.4	.1	- .7
CONSTRUCTION	11.3	12.1	13.3	- 6.8	- 15.1
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.3	- 1.1	- 1.6
Communication, electric, gas services	6.5	6.5	6.6	- .2	- 1.9
WHOLESALE TRADE	15.3	15.2	15.5	.6	- 1.1
RETAIL TRADE	60.4	58.9	60.8	[illegible]	- .6
FINANCE, INSURANCE, AND REAL ESTATE	13.9	13.9	13.7	[illegible]	1.4
SERVICES	75.6	76.0	74.0	- .4	2.2
GOVERNMENT	69.7	69.7	70.5	.0	- 1.2
Federal government	25.1	25.1	25.0	- .1	.3
State government (includes education)	5.8	5.9	6.1	- 1.3	- 5.2
Local government	38.8	38.7	39.4	.3	- 1.6
Local government, except education	13.4	13.5	14.2	- .4	- 5.7
Local government education	25.3	25.2	25.1	.6	.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$416.42	$415.83	$401.26	41.6	41.5	43.1	$10.01	$10.02	$ 9.31
Durable Goods[d]	417.32	419.00	394.55	41.9	41.9	43.5	9.96	10.00	9.07
Stone, clay, and glass products	378.58	412.98	339.21	39.6	42.4	38.9	9.56	9.74	8.72
Fabricated metal products	312.98	309.42	285.63	40.7	40.5	40.4	7.69	7.64	7.07
Machinery, except electrical	428.71	417.32	413.57	43.0	41.9	45.1	9.97	9.96	9.17
Metalworking machinery	424.76	415.47	421.33	43.7	42.7	46.3	9.72	9.73	9.10
Electric and electronic equipment	457.95	513.68	379.10	43.0	47.3	44.6	10.65	10.86	8.50
Electrical industrial apparatus	318.65	312.58	311.88	40.8	40.7	42.9	7.81	7.68	7.27
Transportation equipment	491.17	483.55	493.35	39.9	39.7	42.9	12.31	12.18	11.50
Nondurable Goods[e]	412.08	409.44	416.08	40.8	40.7	42.5	10.10	10.06	9.79
Food and kindred products	410.73	400.86	370.62	42.3	41.8	42.6	9.71	9.59	8.70
Paper and allied products	325.60	331.61	339.91	40.7	41.4	43.3	8.00	8.01	7.85
Printing and publishing	438.27	447.49	423.02	41.7	41.9	41.8	10.51	10.68	10.12
Rubber and misc. plastics products	504.27	487.26	522.97	39.8	39.2	43.4	12.67	12.43	12.05
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	493.40	502.98	493.02	38.1	38.9	39.6	12.95	12.93	12.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	414.63	414.40	414.12	40.1	40.0	42.0	10.34	10.36	9.86
WHOLESALE TRADE	286.47	285.42	266.50	41.1	40.6	41.0	6.97	7.03	6.50
RETAIL TRADE[f]	150.58	148.41	143.70	29.7	29.1	30.0	5.07	5.10	4.79
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1981[b]	November 1981[c]	December 1980[d]	November 1981	December 1980
TOTAL	292.8	294.8	299.7	- .7	- 2.3
MANUFACTURING	71.8	73.5	77.1	- 2.4	- 6.9
Durable Goods[e]	55.7	57.5	59.6	- 3.1	- 6.5
Stone, clay, and glass products	13.2	13.3	13.3	- .9	- .3
Primary metal industries	4.2	4.4	4.5	- 4.6	- 8.1
Fabricated metal products	7.6	8.2	8.6	- 7.0	- 11.0
Metal forgings and stampings	3.2	3.6	4.0	- 12.0	- 20.8
Machinery, except electrical	6.9	7.2	7.4	- 3.6	- 6.6
General industrial machinery	2.1	2.2	2.3	- 1.5	- 7.5
Transportation equipment	15.1	15.2	17.2	- 1.0	- 12.3
Motor vehicles and equipment	13.8	14.0	15.7	- 1.1	- 11.9
Nondurable Goods[f]	16.0	16.0	17.5	.0	- 8.2
Food and kindred products	4.2	4.1	4.3	1.0	- 3.6
Petroleum and coal products	1.6	1.6	1.9	.0	- 15.4
Rubber and misc. plastics products	3.0	3.1	3.5	- 3.6	- 13.4
NONMANUFACTURING[g]	221.1	221.3	222.6	- .1	- .7
CONSTRUCTION	12.7	13.4	13.3	- 5.3	- 4.6
TRANSPORTATION AND PUBLIC UTILITIES	19.5	19.6	19.9	- .3	- 1.7
Communication, electric, gas services	7.8	7.8	7.6	.6	2.6
WHOLESALE TRADE	14.1	14.2	14.3	- .8	- 1.2
RETAIL TRADE	53.8	53.0	54.2	1.5	- .8
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.9	10.9	.5	.8
SERVICES	62.5	62.8	60.8	- .4	2.8
GOVERNMENT	46.9	46.8	48.8	.4	- 3.8
State government (includes education)	14.7	14.8	15.1	- .9	- 2.7
Local government	29.6	29.3	31.0	1.0	- 4.5
Local government, except education	10.6	10.6	11.5	.0	- 7.9
Local government education	19.0	18.7	19.4	1.6	- 2.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$423.72	$411.07	$398.65	41.5	40.7	41.7	$10.21	$10.10	$ 9.56
Durable Goods[d]	437.41	421.83	411.73	41.5	40.6	41.8	10.54	10.39	9.85
Stone, clay, and glass products	450.43	431.96	410.43	41.9	41.1	42.4	10.75	10.51	9.68
Primary metal industries	428.79	402.11	406.26	43.4	41.2	44.4	9.88	9.76	9.15
Fabricated metal products	362.70	359.90	380.94	40.3	39.9	42.0	9.00	9.02	9.07
Metal forgings and stampings	413.00	[illegible]	447.72	38.1	39.8	43.3	10.84	10.77	10.34
Machinery, except electrical	430.36	424.56	402.90	41.5	41.3	42.5	10.37	10.28	9.48
General industrial machinery	428.19	431.27	449.86	38.3	39.1	42.6	11.18	11.03	10.56
Transportation equipment	521.52	500.62	469.89	42.4	40.8	41.4	12.30	12.27	11.35
Motor vehicles and equipment	522.79	500.61	475.36	42.4	40.7	41.3	12.33	12.30	11.51
Nondurable Goods[e]	372.11	369.90	354.85	41.3	41.1	41.6	9.01	9.00	8.53
Food and kindred products	384.93	385.35	367.20	42.3	42.3	42.5	9.10	9.11	8.64
Petroleum and coal products	575.39	611.29	550.14	44.5	46.1	44.8	12.93	13.26	12.28
Rubber and misc. plastics products	326.01	324.21	296.13	40.7	41.3	40.4	8.01	7.85	7.33
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	604.13	567.67	532.27	37.5	36.6	37.3	16.11	15.51	14.27
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	429.86	449.76	403.60	40.4	41.3	41.1	10.64	10.89	9.82
WHOLESALE TRADE	330.40	325.59	294.10	39.1	38.9	38.8	8.45	8.37	7.58
RETAIL TRADE[f]	161.10	157.47	152.28	30.0	29.0	29.8	5.37	5.43	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [l] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Employment (in thousands)			Percent change from[d]	
	December 1981[b]	November 1981[c]	December 1980[c]	November 1981	December 1980
TOTAL	193.4	201.7	199.1	- 4.1	- 2.9
MANUFACTURING	60.1	68.1	65.2	- 11.8	- 7.9
Durable Goods[e]	54.3	62.2	59.6	- 12.7	- 8.6
Stone, clay, and glass products	1.8	2.0	1.7	- 8.6	3.1
Primary metal industries	28.8	28.9	30.5	- .4	- 5.6
Blast furnace and basic steel products	15.0	15.0	15.1	- .3	- .8
Fabricated metal products	8.4	8.8	8.7	- 4.6	- 3.2
Fabricated structural metal products .	2.7	2.6	2.8	2.6	- 3.3
Machinery, except electrical	5.7	5.7	6.4	- .1	- 10.9
Metalworking machinery	2.3	2.3	2.9	- .1	- 19.9
Electric and electronic equipment	3.1	3.1	3.1	.0	- .3
Transportation equipment	4.7	11.9	7.1	- 60.4	- 33.9
Nondurable Goods[f]	5.7	5.9	5.6	- 2.9	2.2
NONMANUFACTURING[g]	133.3	133.6	133.9	- .2	- .5
CONSTRUCTION	6.5	7.0	7.2	- 7.0	- 9.1
TRANSPORTATION AND PUBLIC UTILITIES	9.3	9.3	9.1	.7	2.1
Communication, electric, gas services ..	3.3	3.3	3.3	.1	1.2
WHOLESALE TRADE	7.7	7.7	7.9	.4	- 1.5
RETAIL TRADE	37.2	36.8	37.9	1.1	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	.6	2.2
SERVICES	38.9	39.1	37.6	- .5	3.5
GOVERNMENT	25.9	26.0	26.6	- .5	- 2.8
Local government (includes education) ..	20.2	20.3	20.9	- .7	- 3.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on June 1980 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
DECEMBER 1981

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1981[b]	November 1981[c]	December 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]	Dec. 1981[b]	Nov. 1981[c]	Dec. 1980[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$459.36	$471.06	$469.54	39.6	40.4	41.7	$11.60	$11.66	$11.26
Durable Goods[d]	470.84	481.59	483.63	39.5	40.3	41.8	11.92	11.95	11.57
Stone, clay, and glass products	303.16	306.94	271.74	37.8	39.2	35.2	8.02	7.83	7.72
Primary metal industries	510.65	505.31	521.14	39.1	38.9	42.3	13.06	12.99	12.32
Blast furnace and basic steel products	552.83	546.80	518.75	40.5	40.0	41.5	13.65	13.67	12.50
Fabricated metal products	459.12	461.76	513.34	41.7	40.9	43.8	11.01	11.29	11.72
Fabricated structural metal products	334.95	327.46	298.68	40.6	39.5	38.0	8.25	8.29	7.86
Machinery, except electrical	472.15	470.60	444.11	41.2	41.1	40.3	11.46	11.45	11.02
Metalworking machinery	497.25	495.23	517.44	42.5	42.4	44.0	11.70	11.68	11.76
Electric and electronic equipment	327.35	348.17	303.40	37.8	39.7	38.6	8.66	8.77	7.86
Transportation equipment	472.36	529.91	495.33	39.2	43.4	42.3	12.05	12.21	11.71
Nondurable Goods[e]	327.58	334.15	302.47	39.9	41.0	40.6	8.21	8.15	7.45
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	528.73	536.42	532.90	37.0	37.2	38.7	14.29	14.42	13.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	431.96	439.19	402.69	42.6	43.1	43.3	10.14	10.19	9.30
WHOLESALE TRADE	332.88	341.47	301.78	40.3	40.7	39.5	8.26	8.39	7.64
RETAIL TRADE[f]	158.17	155.93	150.12	30.3	29.7	30.7	5.22	5.25	4.89
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

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Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JANUARY 1982

Unemployment in Ohio totaled 598,000 in January, representing 11.9 percent of the civilian labor force. Total employment was estimated at 4,434,000. Seasonal curtailments in several nonmanufacturing industries lowered nonfarm payroll employment 2.5 percent from December, to 4,193,000.

Employment in Ohio's manufacturing industries slipped .3 percent from December, to 1,170,000 in January. Producers of automotive components--stamped-metal and plastic parts, hardware, and wire--reported layoffs due to lack of orders. Declining demands also lowered employment in metalworking and industrial machinery, household furniture, and meat processing. Producers of ready-mixed concrete reported seasonal layoffs. Recalls, however, lifted employment in motor vehicles, automotive castings, and household appliances.

Nonmanufacturing employment in Ohio totaled 3,023,000 in January, down 3.3 percent from the previous month. Retailing was responsible for much of the decrease, as department, apparel, and variety stores released temporary personnel. Construction and other outdoor activities were hampered by snow and frigid temperatures. Seasonal layoffs in motor freight lowered transportation. Educational services, public and private, also dipped seasonally.

Average weekly earnings of Ohio's factory production workers dropped nearly $8 from the record November-December level to $390.46 in January. The average workweek dipped below 40 hours for the first time since July 1980--39.6 hours, down 1.2 hours from December. Overtime curtailments lowered weekly earnings in the production of machinery, communication equipment, aircraft components, and plastic products. Manufacturers of motor vehicles and suppliers of automotive stampings and hardware reported shorter production schedules. Producers of structural clay products curtailed activities due to unfavorable weather. Stepped-up overtime, on the other hand, substantially boosted earnings in petroleum refining.

Widespread job losses in manufacturing, coupled with cutbacks in construction, retailing, and government, lowered nonfarm payroll employment 1.6 percent--nearly 70,000 jobs--between January 1981 and January 1982. Durable-goods producers accounted for much of the decline in factory employment, with heaviest losses in primary metals, nonelectrical machinery, and metal fabrication. Nonmanufacturing slipped .3 percent over the year, as growth in services moderated employment declines. Factory production workers averaged $13.50 more per week in January 1982 than in January of last year, although their average workweek was an hour-and-a-half shorter.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm establishments in Akron employed 252,300 in January, down 8,400 from December. Most of the decrease occurred in nonmanufacturing industries, due to seasonal declines in retailing, education, and construction. Widespread losses lowered manufacturing 800, to 73,500 for the month. The average workweek for factory production workers, at 40.7 hours, was down 1.7 hours from December. Their average hourly earnings were little changed at $9.70 in January.

Canton.--Canton's nonagricultural wage and salary employment totaled 152,800 in January, down 4,200 from December. Manufacturing dropped 1,200, to 52,800 for the month, due primarily to automotive-related cutbacks. Seasonal losses in retail trade and construction lowered nonmanufacturing. Production workers in manufacturing industries grossed $10.02 per hour for a workweek of 39.5 hours, down 7¢ and .7 hours, respectively, from December averages.

Cincinnati.--Nonfarm payroll employment in the Cincinnati area decreased 19,400 from December, to 576,800 in January. Nonmanufacturing accounted for over three-fourths of the loss, as retailing, construction, and service industries decreased seasonally. Widespread layoffs lowered manufacturing to 152,400 in January, down 4,300 from December. The average workweek of factory production workers was down one hour, to 40.1 hours for the month. Their hourly earnings rose 5¢, to $9.17 in January.

Cleveland.--Nonagricultural establishments in the Cleveland area employed 857,300 wage and salary workers in January, down 18,300 from December. Seasonal shrinkage in nonmanufacturing was responsible for the decline. Manufacturing advanced 2,400, to 239,300 in January, due to recalls of foundry and automotive assembly workers. The workweek for the average factory production worker, at 39.6 hours, was down 1.2 hours, although average hourly earnings, at $9.83, were up 13¢ from December.

Columbus.--January nonfarm payroll employment in Columbus totaled 499,700, down 15,000 from December. Manufacturing slipped 800, to 91,100 for the month. Seasonal factors largely accounted for declines among most nonmanufacturing industries. The workweek for the average factory production worker, at 39.5 hours, was down .9 hours. Average hourly earnings, at $8.96, were little changed from December.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 348,200 in January, down 7,900 from December. Nonmanufacturing accounted for most of the loss, due chiefly to seasonal declines in retailing and construction. Decreases in durable goods lowered manufacturing, down 1,000, to 95,700 for the month. Production workers in factories grossed $10.00 per hour, down 3¢ from December. The average workweek, at 39.8 hours, was 1.3 hours shorter.

Toledo.--Toledo's nonagricultural wage and salary employment dropped 9,000 from December, to 281,800 in January. Manufacturing decreased 1,500 for the month, to 68,600, due chiefly to employment losses in durable-goods production. Seasonal layoffs in most component industries lowered nonmanufacturing. The workweek and hourly earnings of the average factory production worker, at 40.0 hours and $10.48 an hour, were down 1.3 hours and up 8¢, respectively, from December.

Youngstown-Warren.--Nonfarm employment in the Youngstown-Warren area totaled 192,200 in January, down 1,000 from December. Nonmanufacturing employment shrank seasonally. Manufacturing, however, rose by 3,700, to 63,500 in January, as recalls of furloughed auto workers more than offset layoffs in primary metals. Earnings of factory production workers rose 9¢, to $11.63 an hour. Average weekly hours, at 39.5, were up .4 hours from December.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 2-18-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	[illegible]	[illegible]	[illegible]	317.4	[illegible]	198.1
1972	248.1	139.9	[illegible]	[illegible]	[illegible]	325.5	278.4	201.1
1973	255.1	147.8	[illegible]	[illegible]	[illegible]	335.6	[illegible]	211.6
1974	258.0	152.1	542.3	[illegible]	[illegible]	334.3	[illegible]	214.6
1975	240.4	145.0	531.2	[illegible]	[illegible]	321.4	275.5	200.7
1976	247.3	145.1	541.9	[illegible]	[illegible]	321.1	282.6	[illegible]
1977	259.3	149.8	562.1	[illegible]	471.6	331.1	[illegible]	[illegible]
1978	266.6	154.1	576.2	[illegible]	495.8	[illegible]	[illegible]	[illegible]
1979	270.9	157.7	601.4	[illegible]	[illegible]	[illegible]	[illegible]	213.4
1980	262.4	157.1	[illegible]	[illegible]	[illegible]	[illegible]	293.1	209.1
1981	259.3	151.3	[illegible]	[illegible]	[illegible]	[illegible]	290.9	199.1
1981								
January .	252.0	154.4	[illegible]	[illegible]	[illegible]	[illegible]	286.4	[illegible]
February.	254.6	154.5	590.1	[illegible]	[illegible]	341.5	[illegible]	194.7
March ...	256.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	288.7	[illegible]
April ...	259.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	262.3	156.1	[illegible]	[illegible]	[illegible]	352.7	[illegible]	[illegible]
June	259.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
July	257.1	150.4	590.3	[illegible]	[illegible]	349.4	[illegible]	[illegible]
August ..	257.5	[illegible]	[illegible]	[illegible]	[illegible]	349.7	285.6	[illegible]
September	262.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	291.8	[illegible]
October .	263.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
November.	261.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	292.3	[illegible]
December.	260.6	[illegible]	[illegible]	[illegible]	[illegible]	356.1	[illegible]	[illegible]
1982								
January .	252.5	[illegible]	[illegible]	[illegible]	[illegible]	348.9	[illegible]	[illegible]
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	[illegible]	166.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1972	91.9	[illegible]	[illegible]	[illegible]	100.8	[illegible]	[illegible]	[illegible]
1973	94.8	61.7	[illegible]	[illegible]	[illegible]	117.7	93.4	[illegible]
1974	94.2	[illegible]	166.6	[illegible]	104.3	113.1	[illegible]	92.7
1975	84.5	[illegible]	[illegible]	[illegible]	93.1	105.1	[illegible]	[illegible]
1976	90.3	[illegible]	155.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	161.1	[illegible]	[illegible]	107.8	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.5	[illegible]
1979	85.6	57.1	173.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980	79.2	[illegible]	163.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1981	75.9	56.3	158.4	[illegible]	[illegible]	97.8	[illegible]	67.7
1981								
January .	74.8	54.0	[illegible]	[illegible]	94.3	97.4	75.7	67.1
February.	75.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.4	65.4
March ...	76.5	[illegible]	157.6	[illegible]	[illegible]	[illegible]	73.6	[illegible]
April ...	76.6	[illegible]	158.0	[illegible]	93.4	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	158.6	[illegible]	[illegible]	99.3	75.3	[illegible]
June	77.3	55.9	[illegible]	[illegible]	94.4	98.4	76.1	68.9
July	75.8	[illegible]	158.4	[illegible]	[illegible]	[illegible]	74.3	[illegible]
August ..	75.5	56.4	158.3	[illegible]	[illegible]	97.1	[illegible]	65.7
September	76.8	[illegible]	159.7	249.0	[illegible]	98.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	[illegible]	98.1	74.1	68.8
November.	74.7	55.1	158.6	245.9	[illegible]	98.0	71.5	66.3
December.	74.3	54.0	156.7	236.9	[illegible]	96.7	70.1	[illegible]
1982								
January .	73.5	52.8	152.4	239.3	91.1	95.7	68.6	63.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	[illegible]	68.8	82.3	[illegible]	[illegible]
1972	53.7	42.2	110.7	[illegible]	71.0	83.4	63.8	74.2
1973	56.5	46.3	115.6	[illegible]	74.1	85.0	[illegible]	75.6
1974	56.1	47.3	115.3	190.6	71.2	79.5	63.1	74.0
1975	48.4	43.5	106.3	176.0	64.2	73.9	55.1	63.5
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	58.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	[illegible]
1978	49.4	42.2	116.4	186.0	70.1	77.5	64.1	[illegible]
1979	53.8	43.2	117.0	180.0	69.1	74.4	61.7	[illegible]
1980	47.5	40.1	106.6	173.2	64.6	65.5	49.6	52.1
1981	43.9	40.0	104.7	162.3	61.6	64.4	48.8	51.1
1981								
January .	44.1	39.9	108.6	162.0	62.4	64.9	48.6	53.3
February.	44.0	39.6	104.3	163.1	61.5	63.4	46.2	52.5
March ...	45.3	39.1	103.0	163.0	62.0	64.5	45.1	51.8
April ...	45.1	40.0	104.0	163.7	61.4	64.7	47.3	52.0
May	44.9	40.7	104.4	164.0	62.3	64.3	49.2	53.1
June	45.1	40.0	105.4	166.0	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.6	61.4	64.3	48.0	52.5
August ..	42.8	40.9	105.7	161.5	61.1	65.5	49.6	51.5
September	44.0	40.9	105.3	163.0	62.3	65.9	50.7	50.0
October .	43.9	40.4	104.9	162.4	61.4	64.6	49.0	49.9
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.0
December.	41.4	38.9	102.8	155.4	60.1	63.4	45.9	49.0
1982								
January .	40.6	37.1	99.5	153.0	59.4	62.5	44.4	47.1
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.4	41.0	40.1	39.8	40.6	41.4	[illegible]
1972	42.1	40.0	41.3	42.9	40.4	42.5	42.0	[illegible]
1973	43.0	41.0	42.5	43.2	40.8	43.3	43.1	[illegible]
1974	42.9	40.1	41.4	42.1	39.7	41.0	41.3	[illegible]
1975	41.1	39.4	40.6	40.6	39.6	41.3	40.4	[illegible]
1976	42.1	39.6	41.1	41.1	40.1	43.0	41.5	41.8
1977	42.3	39.7	41.0	42.8	40.3	42.5	42.7	42.4
1978	42.3	40.9	41.1	42.4	40.4	42.8	42.4	41.4
1979	41.6	40.2	41.5	41.2	40.1	42.1	41.3	40.7
1980	41.5	39.0	41.2	40.8	39.5	41.5	40.8	39.3
1981	41.8	40.0	41.1	41.7	39.9	41.6	40.9	40.8
1981								
January .	42.0	39.7	41.7	41.2	40.1	41.7	40.8	41.5
February.	41.5	40.0	41.2	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.6	41.9
May	42.4	40.1	41.4	41.6	39.8	41.8	41.2	40.8
June	42.4	40.4	41.9	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.8	40.1	41.2	41.0	40.0	40.9	41.6	41.6
October .	41.2	39.7	40.7	40.8	39.8	41.3	41.1	39.9
November.	41.5	39.8	41.0	40.9	40.3	41.5	40.7	40.4
December.	42.4	40.2	41.1	40.6	40.4	41.1	41.3	39.1
1982								
January .	40.7	39.5	40.1	39.6	39.5	39.8	40.0	39.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown–Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.96	$4.29	$3.99	[illegible]	[illegible]	[illegible]	[illegible]	$4.4[illegible]
1972	4.69	4.60	4.15	[illegible]	[illegible]	[illegible]	[illegible]	4.89
1973	4.99	[illegible]	4.41	[illegible]	[illegible]	[illegible]	[illegible]	5.29
1974	5.28	[illegible]	4.98	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1975	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.73	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.53	8.54
1979	7.79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1980	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1981	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.59
1981								
January .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.48
February.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
March ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
April ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
August ..	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
October .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
November.	[illegible]	10.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
December.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1982								
January .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.70	[illegible]	$155.67	[illegible]	[illegible]	[illegible]	[illegible]	$184.54
1972	197.19	188.30	175.04	[illegible]	[illegible]	[illegible]	194.11	203.08
1973	214.57	196.80	185.91	[illegible]	[illegible]	[illegible]	215.99	226.44
1974	223.34	[illegible]	[illegible]	215.94	[illegible]	[illegible]	[illegible]	238.58
1975	232.67	233.82	211.19	[illegible]	[illegible]	238.47	254.50	266.65
1976	255.44	[illegible]	230.30	260.43	[illegible]	[illegible]	263.28	277.29
1977	285.53	279.14	[illegible]	292.73	[illegible]	[illegible]	[illegible]	323.50
1978	304.14	304.57	288.29	[illegible]	[illegible]	[illegible]	[illegible]	353.56
1979	331.57	335.88	309.57	[illegible]	[illegible]	[illegible]	352.39	371.23
1980	361.80	342.81	330.07	[illegible]	[illegible]	[illegible]	361.34	409.77
1981	397.10	390.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	472.46
1981								
January .	395.90	388.32	355.27	[illegible]	[illegible]	[illegible]	[illegible]	470.41
February.	382.63	382.00	345.75	[illegible]	[illegible]	[illegible]	[illegible]	464.06
March ...	390.00	386.08	352.64	[illegible]	[illegible]	[illegible]	[illegible]	471.63
April ...	394.06	389.80	350.47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
May	402.00	387.77	359.35	[illegible]	[illegible]	[illegible]	[illegible]	472.46
June	404.07	394.30	[illegible]	[illegible]	341.94	[illegible]	409.29	483.14
July	400.98	387.26	356.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
August ..	400.32	[illegible]	[illegible]	[illegible]	[illegible]	414.55	[illegible]	491.57
September	399.31	399.40	367.09	[illegible]	[illegible]	397.55	418.50	485.06
October .	397.99	395.41	365.08	400.66	[illegible]	[illegible]	416.34	460.45
November.	404.21	396.40	370.23	401.64	[illegible]	[illegible]	411.07	471.06
December.	411.70	405.62	374.03	395.76	[illegible]	[illegible]	[illegible]	451.63
1982								
January .	394.79	395.79	367.72	389.27	353.92	398.00	419.20	459.39

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown–Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate	Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate
AKRON[b]					CANTON[c]				
1970	276.2	262.7	[illegible]	[illegible]	1970	182.6	175.0	[illegible]	[illegible]
1971	277.5	[illegible]	[illegible]	[illegible]	1971	184.8	[illegible]	[illegible]	7.8
1972	282.2	267.4	[illegible]	5.3	1972	185.6	175.3	10.3	[illegible]
1973	287.3	274.0	[illegible]	[illegible]	1973	177.3	169.1	[illegible]	[illegible]
1974	290.3	277.9	13.0	[illegible]	1974	176.4	[illegible]	[illegible]	[illegible]
1975	[illegible]	[illegible]	[illegible]	[illegible]	1975	[illegible]	[illegible]	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]	[illegible]	1976	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	16.8	[illegible]	1977	[illegible]	[illegible]	[illegible]	[illegible]
1978	[illegible]	280.1	[illegible]	[illegible]	1978	[illegible]	[illegible]	[illegible]	[illegible]
1979	302.7	284.3	[illegible]	[illegible]	1979	[illegible]	[illegible]	[illegible]	[illegible]
1980	309.1	[illegible]	[illegible]	[illegible]	1980	[illegible]	[illegible]	[illegible]	[illegible]
1980					1980				
December ...	[illegible]	[illegible]	[illegible]	[illegible]	December ..	[illegible]	[illegible]	[illegible]	[illegible]
1981					1981				
January	[illegible]	[illegible]	[illegible]	[illegible]	January ...	[illegible]	[illegible]	[illegible]	[illegible]
February ...	[illegible]	[illegible]	[illegible]	[illegible]	February ..	[illegible]	[illegible]	[illegible]	[illegible]
March	298.1	[illegible]	[illegible]	[illegible]	March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]	April	[illegible]	[illegible]	[illegible]	[illegible]
May	308.8	[illegible]	[illegible]	[illegible]	May	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]	June	[illegible]	[illegible]	[illegible]	[illegible]
July	305.8	[illegible]	[illegible]	[illegible]	July	[illegible]	[illegible]	[illegible]	[illegible]
August	306.8	274.8	[illegible]	[illegible]	August	[illegible]	[illegible]	[illegible]	[illegible]
September ..	[illegible]	[illegible]	[illegible]	[illegible]	September .	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]	October ...	[illegible]	[illegible]	[illegible]	[illegible]
November ...	303.0	[illegible]	[illegible]	[illegible]	November ..	186.3	[illegible]	[illegible]	[illegible]
December[p] ..	[illegible]	267.3	[illegible]	[illegible]	December[p] .	[illegible]	[illegible]	[illegible]	[illegible]
CINCINNATI[d]					CLEVELAND[e]				
1970	549.7	[illegible]	[illegible]	[illegible]	1970	[illegible]	859.9	44.2	[illegible]
1971	[illegible]	[illegible]	[illegible]	[illegible]	1971	[illegible]	[illegible]	[illegible]	[illegible]
1972	[illegible]	[illegible]	[illegible]	[illegible]	1972	[illegible]	[illegible]	[illegible]	[illegible]
1973	[illegible]	[illegible]	[illegible]	[illegible]	1973	[illegible]	[illegible]	[illegible]	[illegible]
1974	[illegible]	[illegible]	[illegible]	[illegible]	1974	[illegible]	[illegible]	[illegible]	[illegible]
1975	595.3	[illegible]	[illegible]	[illegible]	1975	[illegible]	[illegible]	[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]	[illegible]	1976	[illegible]	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]	[illegible]	1977	[illegible]	[illegible]	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]	[illegible]	1978	[illegible]	[illegible]	55.8	[illegible]
1979	[illegible]	[illegible]	[illegible]	[illegible]	1979	[illegible]	[illegible]	[illegible]	[illegible]
1980	[illegible]	606.8	[illegible]	[illegible]	1980	[illegible]	[illegible]	[illegible]	[illegible]
1980					1980				
December ...	[illegible]	[illegible]	[illegible]	[illegible]	December ..	[illegible]	[illegible]	[illegible]	[illegible]
1981					1981				
January	668.3	[illegible]	[illegible]	[illegible]	January ...	[illegible]	855.5	[illegible]	[illegible]
February ...	664.3	[illegible]	[illegible]	[illegible]	February ..	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	8.3	March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]	April	955.3	[illegible]	[illegible]	[illegible]
May	695.5	640.0	[illegible]	7.3	May	[illegible]	[illegible]	57.4	[illegible]
June	697.2	[illegible]	[illegible]	7.8	June	952.0	[illegible]	[illegible]	7.8
July	[illegible]	643.8	[illegible]	8.8	July	[illegible]	[illegible]	83.0	[illegible]
August	697.6	638.8	58.8	8.4	August	961.0	880.8	80.1	8.3
September ..	695.2	631.1	64.1	[illegible]	September .	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	630.5	[illegible]	[illegible]	October ...	[illegible]	856.3	80.3	8.6
November ...	697.5	629.5	68.0	[illegible]	November ..	945.5	857.7	87.9	9.3
December[p] ..	691.6	622.6	69.0	10.0	December[p] .	937.3	844.7	92.6	9.9

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In Thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate	Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1970	453.2	425.4	28.1	[illegible]	1970	353.8	331.8	[illegible]	6.0
1971	475.4	447.2	25.9	5.4	1971	349.2	325.0	23.7	6.7
1972	469.1	450.2	18.9	4.0	1972	355.0	335.3	[illegible]	[illegible]
1973	485.3	468.2	17.1	3.5	1973	360.7	340.4	[illegible]	[illegible]
1974	496.2	474.7	22.3	4.5	1974	[illegible]	341.2	[illegible]	[illegible]
1975	505.5	[illegible]	36.4	7.4	1975	354.5	319.2	[illegible]	9.2
1976	[illegible]	[illegible]	35.3	[illegible]	1976	357.1	[illegible]	[illegible]	[illegible]
1977	511.4	486.2	25.2	5.0	1977	[illegible]	[illegible]	[illegible]	[illegible]
1978	520.4	495.6	24.8	4.7	1978	[illegible]	350.7	[illegible]	[illegible]
1979	540.2	[illegible]	26.7	4.8	1979	364.8	311.2	[illegible]	[illegible]
1980	557.4	525.8	31.6	5.7	1980	[illegible]	[illegible]	[illegible]	[illegible]
1980					1980				
December ...	557.3	524.4	33.0	[illegible]	December ...	356.2	332.1	[illegible]	[illegible]
1981					1981				
January	570.4	538.2	[illegible]	[illegible]	January	373.5	342.7	31.0	[illegible]
February ...	568.1	526.5	42.0	[illegible]	February ...	371.6	341.5	30.0	[illegible]
March	562.0	520.9	41.1	7.3	March	365.5	335.2	30.0	[illegible]
April	566.8	532.6	34.1	6.0	April	369.3	344.6	24.8	[illegible]
May	579.5	542.8	37.0	[illegible]	May	375.2	350.4	[illegible]	[illegible]
June	[illegible]	550.2	40.9	7.0	June	375.1	354.7	20.7	[illegible]
July	598.7	598.2	45.3	[illegible]	July	375.4	354.1	21.1	[illegible]
August	579.5	534.8	44.2	7.7	August	[illegible]	346.0	35.2	[illegible]
September ..	577.9	533.3	44.6	8.0	September ..	371.3	[illegible]	34.3	[illegible]
October	575.6	529.2	46.2	8.0	October	376.5	345.8	30.4	[illegible]
November ...	581.5	531.1	50.4	8	November ...	374.8	345.9	30.2	[illegible]
December[p] ..	574.1	524.9	49.2	[illegible]	December[p] .	374.5	355.5	28.4	[illegible]
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1970	315.8	298.4	17.4	5.5	1970	238.4	225.1	13.4	5.6
1971	319.3	300.3	19.0	6.0	1971	240.2	227.1	17.9	7.0
1972	329.4	311.3	18.1	5.5	1972	236.7	221.1	14.8	6.3
1973	339.8	324.0	15.8	4.6	1973	250.4	235.7	15.7	6.2
1974	343.8	324.2	19.2	5.7	1974	250.3	235.8	15.0	6.5
1975	344.8	310.2	34.6	10.0	1975	254.0	225.2	28.9	11.4
1976	347.3	318.5	28.8	8.3	1976	253.4	228.6	25.0	10.1
1977	359.9	334.5	25.4	7.2	1977	255.0	234.0	[illegible]	8.1
1978	361.2	338.8	22.4	6.2	1978	256.3	238.8	17.5	7.1
1979	366.4	340.1	26.3	7.2	1979	256.2	239.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	257.5	228.5	29.0	11.8
1980					1980				
December ...	364.2	327.9	36.3	10.0	December ...	253.4	222.8	33.6	13.8
1981					1981				
January	357.9	317.8	40.1	11.2	January	251.4	215.8	35.6	14.8
February ...	356.8	313.8	43.0	12.1	February ...	252.3	218.4	34.1	15.1
March	364.6	324.2	40.8	11.0	March	259.9	226.8	27.6	12.2
April	365.9	333.8	32.1	8.8	April	257.5	230.9	21.1	9.2
May	373.9	340.2	33.8	9.0	May	254.1	233.1	21.0	8.3
June	374.1	339.3	34.7	9.3	June	233.5	222.5	22.0	9.4
July	375.1	335.4	39.6	10.6	July	237.1	211.8	25.5	10.7
August	372.2	332.5	39.8	10.7	August	234.2	206.8	27.4	11.7
September ..	367.8	326.0	41.8	11.2	September ..	231.0	205.2	25.8	11.2
October	372.7	331.1	41.6	11.2	October	230.2	204.8	25.4	11.0
November ...	371.5	329.3	42.2	11.4	November ...	235.1	205.7	29.4	12.5
December[p] ..	369.0	322.3	46.6	12.6	December[p] .	232.5	195.3	37.1	15.9

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
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CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,412	4,155	256	5.8	5.9
1972	4,506	4,256	249	5.5	5.6
1973	4,613	4,417	196	4.3	4.9
1974	4,700	4,474	226	4.8	[illegible]
1975	4,711	4,289	[illegible]	9.1	8.5
1976	4,777	4,367	399	7.8	[illegible]
1977	4,883	4,5[illegible]	[illegible]	6.5	[illegible]
1978	4,992	4,676	261	5.4	[illegible]
1979	5,099	4,797	[illegible]	5.9	[illegible]
1980	5,108	4,6[illegible]	420	8.4	[illegible]
1981	[illegible]	4,61[illegible]	[illegible]	[illegible]	[illegible]
1981					
January ..	4,9[illegible]	4,399	517	10.5	[illegible]
February..	4,952	4,4[illegible]	[illegible]	10.1	[illegible]
March	5,054	4,548	[illegible]	9.3	[illegible]
April	[illegible]	4,5[illegible]	[illegible]	[illegible]	[illegible]
May	5,097	4,675	414	[illegible]	[illegible]
June	5,200	4,7[illegible]	[illegible]	[illegible]	[illegible]
July	5,246	4,7[illegible]	[illegible]	9.4	7.3
August ...	5,209	4,7[illegible]	[illegible]	9.4	[illegible]
September	5,134	4,595	[illegible]	10.5	[illegible]
October ..	5,111	4,[illegible]	[illegible]	[illegible]	[illegible]
November .	5,115	4,5[illegible]	[illegible]	[illegible]	[illegible]
December..	5,075	4,505	[illegible]	11.2	[illegible]
1982[b]					
January ..	5,030	4,496	[illegible]	11.6	[illegible]

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,979.5	1,335.2	2,5[illegible]
1972	3,996.9	1,396.[illegible]	2,5[illegible]
1973	4,112.1	1,455.5	2,658.5
1974	4,210.8	1,432.7	2,758.8
1975	4,016.3	1,[illegible]	2,[illegible]
1976	4,[illegible]	1,2[illegible]	2,796.5
1977	4,293.4	1,[illegible]	2,[illegible]
1978	4,398.8	1,[illegible]	3,[illegible]
1979	4,4[illegible]	1,[illegible]	3,[illegible]
1980	4,3[illegible]	1,[illegible]	3,[illegible]
1981	4,338.1	1,220.5	3,[illegible]
1981			
January ..	4,[illegible]	1,[illegible]	3,[illegible]
February..	4,[illegible]	1,[illegible]	3,[illegible]
March	4,[illegible]	[illegible]	3,[illegible]
April	4,[illegible]	1,[illegible]	3,[illegible]
May	4,[illegible]	1,[illegible]	3,[illegible]
June	4,[illegible]	1,[illegible]	3,128.4
July	4,[illegible]	1,[illegible]	3,[illegible]
August ...	4,315.1	1,[illegible]	3,[illegible]
September	4,[illegible]	1,[illegible]	3,[illegible]
October ..	4,[illegible]	1,[illegible]	3,[illegible]
November .	4,[illegible]	1,[illegible]	3,[illegible]
December..	4,[illegible]	1,[illegible]	3,[illegible]
1982			
January ..	4,[illegible]	1,[illegible]	3,[illegible]

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation, Comm. and Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Service	Government
1971	20.8	155.2	229.8	[illegible]	641.3	156.5	587.[illegible]	[illegible]
1972	23.7	165.1	227.9	[illegible]	676.7	163.9	611.7	[illegible]
1973	[illegible]	175.5	231.3	[illegible]	694.9	168.7	641.9	[illegible]
1974	24.2	172.9	227.6	[illegible]	696.1	172.9	665.7	635.1
1975	26.8	150.9	213.8	265.5	691.5	173.1	686.3	655.8
1976	29.2	154.7	214.7	270.4	692.4	177.0	698.2	[illegible]
1977	29.1	162.9	219.1	[illegible]	723.3	179.4	728.8	662.4
1978	[illegible]	176.6	225.[illegible]	[illegible]	749.4	185.1	770.2	[illegible]
1979	31.6	185.[illegible]	230.1	[illegible]	765.4	[illegible]	816.[illegible]	[illegible]
1980	30.7	167.4	223.1	[illegible]	736.6	[illegible]	845.[illegible]	[illegible]
1981	30.3	154.2	218.4	290.7	716.3	205.2	866.[illegible]	[illegible]
1981								
January ..	30.6	135.2	214.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
February.	30.4	131.[illegible]	213.6	[illegible]	[illegible]	[illegible]	852.7	[illegible]
March ...	31.0	139.4	214.5	[illegible]	[illegible]	203.3	858.4	[illegible]
April ...	28.7	150.6	217.[illegible]	[illegible]	710.5	[illegible]	856.3	[illegible]
May	29.1	155.6	217.8	[illegible]	714.6	[illegible]	860.1	699.5
June	31.6	161.6	220.[illegible]	[illegible]	725.5	[illegible]	870.[illegible]	[illegible]
July	32.4	166.[illegible]	220.3	[illegible]	716.8	[illegible]	864.7	644.2
August ..	32.4	167.2	220.7	291.[illegible]	719.5	207.9	864.8	636.7
September	32.6	165.9	221.2	291.6	720.9	206.2	871.1	654.6
October .	31.8	166.8	221.2	291.4	721.6	206.[illegible]	870.0	669.2
November.	32.4	161.3	220.5	291.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	291.2	740.2	206.3	860.2	688.6
1982								
January .	31.2	126.3	213.9	280.3	692.5	200.7	840.8	675.5

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[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.
[b]Labor force estimates geared to 1980 Census.

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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,284.5	892.6	392.0	867.0	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
January .	1,229.4	856.4	373.0	841.9	317.3	34.6
February.	1,225.8	853.9	371.9	839.1	314.1	34.1
March ...	1,239.4	867.6	371.8	852.5	325.3	34.9
April ...	1,243.3	870.3	373.0	858.6	332.3	35.2
May	1,247.2	873.3	373.9	861.9	337.1	35.6
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.3	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,169.7	806.3	363.4	791.5	309.0	31.3

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.4	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
January .	376.89	387.98	347.27	41.1	41.1	41.0	9.17	9.44	8.47
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	390.46	399.74	368.28	39.6	39.5	39.9	9.86	10.12	9.23

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not aud to totals due to rounding.

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EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	69.7	190.5	160.9	206.9	121.4	155.8	81.2	58.2	79.7
1972	72.3	[illegible]	[illegible]	205.1	124.3	[illegible]	78.1	65.8	89.1
1973	73.3	173.3	171.2	218.9	138.1	167.2	76.4	65.7	95.0
1974	72.2	172.1	175.1	227.7	131.4	162.9	78.6	65.7	90.9
1975	65.0	181.0	155.9	[illegible]	119.3	145.9	73.5	64.0	81.8
1976	66.2	178.6	157.1	206.9	124.5	149.6	73.8	64.1	86.2
1977	67.1	[illegible]	166.5	216.7	120.9	151.4	74.4	65.4	91.7
1978	69.3	193.5	175.9	218.7	128.2	164.3	74.6	66.8	[illegible]
1979	69.2	190.9	175.5	228.1	131.6	155.8	73.4	67.6	[illegible]
1980	64.5	179.4	157.6	211.4	116.4	139.1	72.9	67.4	80.7
1981	61.2	177.3	154.6	203.5	[illegible]	134.9	70.5	66.3	[illegible]
1981									
January .	56.7	176.3	152.9	[illegible]	109.1	129.1	69.8	66.1	81.1
February.	56.2	176.1	155.0	[illegible]	110.1	133.1	69.3	67.5	81.1
March ...	59.3	178.1	154.6	204.3	111.9	139.5	69.1	66.2	81.3
April ...	61.3	[illegible]	157.3	[illegible]	111.9	141.5	69.1	66.0	[illegible]
May	64.2	[illegible]	157.3	[illegible]	110.1	141.5	69.9	66.1	80.1
June	64.7	180.4	156.6	[illegible]	110.9	142.5	71.4	66.1	80.1
July	63.7	175.9	156.8	204.1	110.1	[illegible]	70.7	66.3	80.3
August ..	62.7	[illegible]	155.9	203.7	109.9	135.4	72.8	67.4	[illegible]
September	62.8	[illegible]	155.2	204.1	108.1	135.1	74.1	[illegible]	[illegible]
October .	61.7	171.8	[illegible]	[illegible]	109.1	136.1	71.1	[illegible]	[illegible]
November.	59.4	166.3	[illegible]	[illegible]	108.1	130.6	69.1	[illegible]	[illegible]
December.	56.1	[illegible]	151.8	[illegible]	107.1	127.5	70.1	66.1	78.1
1982									
January .	50.1	[illegible]	145.9	[illegible]	[illegible]	125.7	66.1	65.1	[illegible]
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.90	$191.92	$173.40	$181.33	$161.27	$196.35	$169.49	$173.97	[illegible]
1972	175.14	206.41	189.97	195.46	164.82	219.99	173.49	177.21	184.40
1973	189.99	221.72	204.61	205.50	176.23	241.01	188.94	199.30	190.12
1974	194.20	246.79	213.62	219.45	190.61	244.90	201.89	211.14	197.92
1975	207.58	276.47	224.36	228.39	201.95	265.22	220.14	228.34	213.31
1976	232.41	298.50	250.24	255.31	225.54	302.07	240.72	250.05	237.39
1977	253.39	335.54	270.04	279.17	248.44	350.05	258.58	271.96	263.97
1978	274.01	367.54	300.79	298.10	264.49	370.66	281.15	295.18	288.71
1979	289.94	395.43	323.98	320.05	289.27	391.56	314.50	312.62	317.74
1980	315.89	422.22	349.54	341.77	316.31	414.89	329.05	326.92	323.61
1981	348.32	454.54	356.43	354.75	356.22	466.88	363.12	346.58	[illegible]
1981									
January .	334.15	469.56	379.63	373.40	[illegible]	[illegible]	352.79	[illegible]	358.12
February.	337.76	469.54	376.81	377.73	343.48	436.33	351.51	324.63	355.37
March ...	334.14	477.75	381.13	382.94	349.32	447.56	347.24	329.17	367.04
April ...	337.77	475.76	385.79	377.39	354.04	451.13	353.63	337.42	370.71
May	345.24	488.04	394.15	396.46	357.58	446.35	364.50	348.42	366.80
June	348.02	496.69	395.77	396.29	[illegible]	450.62	357.62	348.31	375.84
July	347.57	490.38	384.71	397.57	359.76	465.03	360.51	346.94	383.60
August ..	359.42	485.48	387.09	398.35	364.67	466.92	361.84	351.16	372.64
September	360.14	504.00	384.80	391.14	364.50	476.69	378.88	364.03	359.96
October .	356.65	475.61	390.98	395.32	366.93	477.02	368.93	356.45	374.54
November.	361.37	488.03	391.78	402.[illegible]	363.15	476.10	378.84	363.65	371.08
December.	359.31	476.80	397.29	403.94	360.93	475.86	379.61	368.16	395.75
1982									
January .	353.81	475.19	377.72	398.80	365.71	462.84	369.87	364.62	368.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO*
JANUARY [illegible]

Industry	Employment (in thousands)			Percent Change From¹	
	January 1982	December 1981	January 1981³	December 1981	January 1981
TOTAL	[illegible]	[illegible]	[illegible]	- [illegible]	- [illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	- [illegible]	- [illegible]
Durable goods¹	[illegible]	[illegible]	[illegible]	- .1	- [illegible]
Lumber and wood products	[illegible]	11.2	13.2	- 4.4	- [illegible]
Furniture and fixtures	[illegible]	13.2	14.3	- 5.7	- 8.1
Household furniture	[illegible]	[illegible]	6.5	- 11.[illegible]	- 11.[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	- 3.7	- 7.5
Glass and glassware, pressed or blown	16.3	16.6	16.8	- 1.8	- 3.5
Structural clay products	[illegible]	[illegible]	[illegible]	- [illegible]	- 29.0
Pottery and related products	[illegible]	[illegible]	6.7	- [illegible]	- 12.7
Primary metal industries	[illegible]	[illegible]	129.3	1.1	- 8.7
Blast furnaces and basic steel products	[illegible]	[illegible]	71.5	- .7	- [illegible]
Iron and steel foundries	[illegible]	[illegible]	28.0	2.1	- [illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	20.8	- 10.1	- 17.7
Nonferrous foundries	[illegible]	[illegible]	9.7	- [illegible]	- 10.1
Fabricated metal products	145.4	148.1	159.5	- 1.[illegible]	- [illegible]
Cutlery, hand tools, and hardware	11.1	12.1	13.3	- [illegible]	- 10.8
Plumbing and heating, except electric	4.8	5.4	5.3	- 4.0	- 13.8
Fabricated structural metal products	14.9	15.8	30.5	- 5.5	- 4.7
Screw machine products, bolts, etc.	[illegible]	10.2	10.5	- 2.2	- 5.0
Metal forgings and stampings	40.0	41.1	42.4	- [illegible]	- [illegible]
Machinery, except electrical	[illegible]	[illegible]	208.2	- 1.0	- 5.3
Construction and related machinery	26.1	[illegible]	27.2	- .0	- 3.7
Metalworking machinery	55.4	[illegible]	58.9	- 3.2	- 6.0
Special industry machinery	20.2	20.4	22.1	- .9	- 8.5
General industrial machinery	[illegible]	33.1	33.2	- 3.6	- 5.9
Electric and electronic equipment	[illegible]	[illegible]	103.7	.[illegible]	- 4.4
Electrical industrial apparatus	23.8	23.9	25.0	- .4	- 4.0
Household appliances	17.1	[illegible]	19.3	[illegible]	- 11.4
Electric lighting and wiring equipment	14.6	14.4	14.6	1.1	.7
Communication equipment	11.7	11.8	12.0	- .3	- [illegible]
Transportation equipment¹	[illegible]	[illegible]	136.4	8.2	- [illegible]
Motor vehicles and equipment	[illegible]	75.5	88.6	12.0	- 4.5
Aircraft and parts	[illegible]	[illegible]	[illegible]	- [illegible]	- 6.8
Instruments and related products	21.2	21.2	21.1	- .1	.5
Measuring and controlling devices	12.8	12.6	13.1	1.1	- 2.3
Nondurable goods¹	[illegible]	[illegible]	[illegible]	- .3	- 2.6
Food and kindred products	60.7	[illegible]	[illegible]	- 1.0	- 1.4
Meat products	11.1	11.8	11.6	- 5.4	- 4.0
Dairy products	11.4	11.6	11.6	- 1.5	- 2.3
Bakery products	11.3	11.4	11.9	- .8	- 4.8
Beverages	10.7	10.7	10.6	- .6	.5
Textile mill products	4.5	4.6	4.9	- 1.3	- 8.4
Apparel and other textile products	17.0	17.2	16.7	- 1.1	2.3
Paper and allied products	36.8	37.0	38.2	- .6	- 3.7
Paper mills, except building paper	9.4	9.4	9.6	.0	- 2.5
Misc. converted paper products	11.7	11.8	11.7	- .9	.4
Paperboard containers and boxes	12.2	12.3	13.2	- .5	- 7.3
Printing and publishing	65.6	66.0	66.7	- .5	- 1.6
Newspapers	19.5	19.6	19.7	- .6	- .7
Commercial printing	24.5	24.8	25.5	- .9	- 3.7
Chemicals and allied products	67.5	67.8	67.5	- .3	.1
Industrial inorganic chemicals	13.1	13.1	12.8	.0	2.3
Plastics materials and synthetics	9.5	9.6	9.8	- .5	- 2.5
Petroleum and coal products	13.9	14.0	14.0	- 1.2	- .8
Rubber and misc. plastics products	83.9	84.8	89.9	- 1.1	- 6.6
Tires and inner tubes	23.5	23.6	25.4	- .7	- 7.4
Miscellaneous plastics products	41.1	41.8	44.2	- 1.5	- 6.9
Leather and leather products	5.3	5.3	5.5	.2	- 3.4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

[illegible]

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January [illegible]	December [illegible]	January [illegible]	Jan. [illegible]	Dec. [illegible]	Jan. [illegible]	Jan. [illegible]	Dec. [illegible]	Jan. [illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	$[illegible]	$[illegible]	$[illegible]	[illegible]	[illegible]	40.1	$[illegible]	$[illegible]	$[illegible]
Durable Goods[a]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household furniture	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Structural clay products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pottery and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, handtools, and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Plumbing and heating, except electric	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[a]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.29	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	43.4	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	393.13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.44	[illegible]
Textile mill products	251.17	285.49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	211.94	[illegible]	31.4	37.1	36.8	5.76	5.71	5.41
Paper and allied products	376.80	379.54	357.47	42.3	42.7	43.7	8.91	8.86	8.18
Paper mills, except building paper	474.83	[illegible]	458.96	45.3	46.2	[illegible]	10.54	10.40	9.47
Misc. converted paper products	337.46	338.10	[illegible]	40.3	41.8	41.6	8.20	8.09	7.44
Paperboard containers and boxes	339.85	338.17	324.58	40.7	40.6	42.3	8.35	8.28	7.68
Printing and publishing	364.62	360.16	336.83	38.5	39.0	37.9	9.52	9.44	8.89
Newspapers	323.36	[illegible]	301.92	33.9	34.0	30.4	9.59	9.97	[illegible]
Commercial printing	385.04	383.51	357.24	39.9	40.2	39.3	9.65	9.54	9.09
Chemicals and allied products	407.71	398.52	371.58	41.1	41.0	41.8	9.92	9.72	8.89
Industrial inorganic chemicals	430.08	434.50	401.08	41.0	41.9	41.6	10.48	10.37	9.66
Plastics materials and synthetics	437.14	426.72	404.55	42.4	42.0	42.9	10.31	10.16	9.43
Petroleum and coal products	557.48	524.55	509.35	44.0	42.2	42.2	12.67	12.45	12.07
Rubber and misc. plastics products	368.73	386.75	358.11	39.3	41.1	41.4	9.38	9.41	8.65
Tires and inner tubes	512.13	523.84	482.61	42.5	43.4	43.4	12.05	12.07	11.12
Miscellaneous plastics products	337.55	369.71	343.10	37.8	40.1	40.7	8.93	9.07	8.43
Leather and leather products	179.32	191.35	179.04	35.3	37.3	37.3	5.08	5.13	4.80

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JANUARY 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	- 1.3	- .3
MINING	31.[illegible]	[illegible]	29.7	- 1.4	3.7
Bituminous coal and lignite mining	14.2	14.3	14.8	- .7	- 4.0
CONSTRUCTION	125.2	[illegible]	136.8	- 15.0	- 8.7
General building contractors	33.[illegible]	[illegible]	33.6	- 13.6	- 1.0
Heavy construction contractors	16.[illegible]	22.[illegible]	17.5	- 25.5	- 3.4
TRANSPORTATION AND PUBLIC UTILITIES	213.[illegible]	219.1	214.7	- 2.8	- .8
Railroad transportation	24.7	[illegible]	26.8	- 3.1	- 7.8
Transportation, except railroads	[illegible]	98.2	96.7	- 5.1	.1
Trucking and warehousing	[illegible]	62.4	59.8	- 5.[illegible]	.2
Communication, electric, gas, sanitary services	[illegible]	96.8	98.8	- .1	1.[illegible]
Communication	55.[illegible]	55.4	54.[illegible]	- .2	1.[illegible]
Electric, gas, and sanitary services	40.[illegible]	41.[illegible]	40.4	[illegible]	1.5
WHOLESALE TRADE	[illegible]	251.8	[illegible]	- 1.[illegible]	- .3
Wholesale trade-durable goods	14[illegible]	[illegible]	146.1	- 1.0	- .6
Motor vehicles & automotive equipment	20.4	[illegible]	21.[illegible]	- 1.[illegible]	- 8.[illegible]
Electrical goods	14.4	14.6	14.3	- 1.2	.3
Machinery, equipment, and supplies	52.[illegible]	[illegible]	52.[illegible]	- .8	.1
Wholesale trade-nondurable goods	90.[illegible]	91.8	90.[illegible]	- 1.8	.5
Groceries and related products	25.[illegible]	26.0	25.7	- .9	.9
RETAIL TRADE	[illegible]	[illegible]	[illegible]	- 9.[illegible]	- 1.1
General merchandise stores	117.4	133.[illegible]	128.[illegible]	- 12.1	- 8.1
Department stores	[illegible]	115.4	111.[illegible]	- 12.[illegible]	- 9.[illegible]
Food stores	110.[illegible]	114.4	11[illegible]	- 3.3	- .4
Automotive dealers & service stations	70.[illegible]	71.8	75.[illegible]	- 1.7	- 6.[illegible]
Apparel and accessory stores	34.[illegible]	[illegible]	35.3	- 11.4	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	204.[illegible]	[illegible]	203.2	- .[illegible]	.[illegible]
Banking	59.0	[illegible]	[illegible]	- .4	.0
Credit agencies other than banks	31.[illegible]	[illegible]	31.[illegible]	1.1	- .3
Insurance carriers	[illegible]	[illegible]	[illegible]	.0	1.6
SERVICES	[illegible]	[illegible]	[illegible]	- 1.[illegible]	2.[illegible]
Hotels and other lodging places	71.6	[illegible]	[illegible]	- 4.[illegible]	3.6
Laundry, cleaning, & garment services	17.[illegible]	17.6	17.2	- 1.4	- 1.3
Business services	126.[illegible]	128.7	[illegible]	- 1.[illegible]	4.0
Health services	[illegible]	305.4	[illegible]	.2	5.7
Hospitals	168.7	168.3	[illegible]	.2	5.1
GOVERNMENT	[illegible]	[illegible]	[illegible]	- 1.[illegible]	- 2.6
Federal government	88.[illegible]	[illegible]	90.[illegible]	- .6	- 1.9
State government	140.4	147.[illegible]	141.5	- 5.0	- .8
State government, except education	71.6	72.2	71.9	- .9	- .4
State government education[i]	68.8	75.6	69.6	- 9.0	- 1.1
Local government	446.5	451.[illegible]	461.8	- 1.1	- 3.3
Local government, except education	184.1	185.2	193.1	- .6	- 4.6
Local government education	262.4	266.4	268.7	- 1.5	- 2.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JANUARY 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	[illegible]	[illegible]	[illegible]	[illegible]	44.9	[illegible]	[illegible]	[illegible]	[illegible]
Bituminous coal and lignite mining	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.2	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.6	14.15	[illegible]	[illegible]
General building contractors	[illegible]	[illegible]	[illegible]	[illegible]	36.5	[illegible]	[illegible]	[illegible]	[illegible]
Heavy construction contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas and sanitary services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric, gas, and sanitary services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade—durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles & automotive equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, equipment, and supplies	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade—nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Groceries and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]
Department stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food stores	[illegible]	[illegible]	[illegible]	[illegible]	32.1	[illegible]	[illegible]	[illegible]	[illegible]
Automotive dealers & service stations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and accessory stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	....	....	....
Credit agencies other than banks	[illegible]	[illegible]	[illegible]	....	....	....	....	....	....
Insurance carriers	[illegible]	[illegible]	[illegible]	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	[illegible]	[illegible]	[illegible]	33.5	33.5	34.1	[illegible]	[illegible]	[illegible]
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	252.3	[illegible]	252.6	– 3.2	– .1
MANUFACTURING	73.5	74.3	74.8	– 1.1	– 1.7
Durable Goods[e]	36.5	37.1	36.1	– 1.7	1.2
Stone, clay, and glass products	1.7	1.8	1.9	– 9.3	– 11.0
Fabricated metal products	13.4	13.8	13.3	– 2.6	1.1
Machinery, except electrical	10.7	10.7	10.6	– .6	.1
Special industry machinery	7.6	8.1	8.2	– .7	– 7.1
Nondurable Goods[f]	37.0	37.2	38.7	– .4	– 4.4
Food and kindred products	2.8	2.8	3.0	– 1.1	– 7.4
Chemicals and allied products	3.8	3.8	3.6	[illegible]	5.3
Rubber and misc. plastics products	25.2	25.3	27.0	– .3	– 6.5
Tires and inner tubes	19.3	19.4	21.1	– .7	– 8.4
NONMANUFACTURING[g]	178.7	186.3	177.8	– 4.1	.5
CONSTRUCTION	6.0	7.3	6.2	– 18.1	– 2.8
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.9	13.6	– 3.0	– 1.1
Communication, electric, gas services	5.5	5.5	5.4	.1	1.8
WHOLESALE TRADE	12.1	12.1	12.0	– .3	1.6
RETAIL TRADE	44.2	46.8	43.6	– 5.6	1.4
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.1	9.2	– .2	– .6
SERVICES	51.3	51.5	49.7	– .5	3.1
GOVERNMENT	42.0	44.8	43.0	– 6.2	– 2.5
State government (includes education)	12.3	14.8	12.4	– 16.8	– .4
Local government (includes education)	27.5	27.8	28.6	– 1.0	– 3.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43215

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$394.79	$411.70	$385.98	40.7	42.4	42.0	$ 9.70	$ 9.71	$ 9.19
Durable Goods[d]	380.84	407.98	370.35	40.3	42.9	41.8	9.45	9.51	8.86
Stone, clay, and glass products	356.09	358.57	335.78	40.1	40.7	40.8	8.88	8.81	8.29
Fabricated metal products	359.79	410.45	374.22	37.4	42.8	39.6	9.62	9.59	9.45
Machinery, except electrical	384.22	408.27	383.08	41.9	43.9	44.7	9.17	9.30	8.57
Special industry machinery	361.47	377.58	340.05	41.5	43.3	42.4	8.71	8.72	8.02
Nondurable Goods[e]	414.00	415.75	402.59	41.4	41.7	42.2	10.00	9.97	9.54
Food and kindred products	420.69	415.58	374.69	44.7	44.4	44.5	9.41	9.36	8.42
Chemicals and allied products	395.34	387.13	399.86	40.3	40.2	43.7	9.81	9.63	9.15
Rubber and misc. plastics products	431.18	438.29	419.76	41.7	42.3	42.4	10.34	10.36	9.90
Tires and inner tubes	538.59	546.92	502.30	43.4	44.0	44.1	12.41	12.43	11.39
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	498.48	512.26	507.00	37.2	38.4	39.0	13.40	13.34	13.00
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	428.28	413.10	380.97	41.3	40.5	40.4	10.37	10.20	9.43
WHOLESALE TRADE	278.63	281.60	262.58	37.4	37.9	38.0	7.45	7.43	6.91
RETAIL TRADE[f]	173.75	177.98	161.87	29.6	30.9	30.2	5.87	5.76	5.36
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	152.8	157.0	154.4	- 2.6	- 1.0
MANUFACTURING	52.8	54.0	54.6	- 2.2	- 3.4
Durable Goods[e]	41.2	42.1	42.6	- 2.2	- 3.3
Stone, clay, and glass products	2.1	2.1	2.0	- .2	5.1
Primary metal industries	13.2	13.2	13.9	.2	- 5.0
Fabricated metal products	9.0	9.8	10.1	- 7.9	- 10.4
Fabricated structural metal products	3.4	3.4	3.5	- 1.7	- 4.9
Metal forgings and stampings	2.1	2.8	3.0	- 25.0	- 29.8
Nondurable Goods[f]	11.6	11.8	12.0	- 2.2	- 3.8
Food and kindred products	4.3	4.4	4.3	- 3.1	- .1
Rubber and misc. plastics products	2.8	2.8	3.1	- 2.4	- 9.9
NONMANUFACTURING[g]	100.1	103.0	99.7	- 2.9	.3
CONSTRUCTION	4.3	5.1	4.2	- 16.4	2.1
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.2	7.0	- 3.0	.1
Communication, electric, gas services	3.1	3.1	3.0	- .8	2.0
WHOLESALE TRADE	7.3	7.3	7.3	.4	.5
RETAIL TRADE	25.3	26.6	25.1	- 4.7	1.0
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.3	.3	.0
SERVICES	29.7	30.1	29.1	- 1.2	2.1
GOVERNMENT	18.7	19.0	19.4	- 1.7	- 3.6
Local government (includes education)	15.7	15.9	16.2	- 1.3	- 3.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$395.79	$405.62	$368.02	39.5	40.2	39.7	$10.02	$10.09	$ 9.27
Durable Goods[d]	402.43	412.17	374.62	39.3	39.9	39.6	10.24	10.33	9.46
Stone, clay, and glass products	268.27	274.63	236.59	41.4	41.8	40.1	6.48	6.57	5.90
Primary metal industries	464.89	464.13	440.82	38.2	38.2	39.5	12.17	12.15	11.16
Fabricated metal products	400.39	423.55	386.86	40.2	40.3	39.8	9.96	10.51	9.72
Fabricated structural metal products .	461.26	444.53	340.61	45.4	44.1	38.1	10.16	10.08	8.94
Metal forgings and stampings	422.54	493.54	473.41	39.9	41.3	41.6	10.59	11.95	11.38
Nondurable Goods[e]	370.98	377.98	337.95	40.5	41.4	39.9	9.16	9.13	8.47
Food and kindred products	415.01	461.81	390.25	39.3	42.8	39.7	10.56	10.79	9.83
Rubber and misc. plastics products	368.18	361.49	342.65	44.9	44.3	44.5	8.20	8.16	7.70
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	463.64	491.95	454.64	33.5	35.7	36.4	13.84	13.78	12.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	427.25	423.12	387.69	41.4	41.2	41.2	10.32	10.27	9.41
WHOLESALE TRADE	290.69	301.50	276.05	38.4	40.2	39.1	7.57	7.50	7.06
RETAIL TRADE[f]	141.34	148.30	136.61	28.1	29.9	28.7	5.03	4.96	4.76
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	576.8	596.2	585.9	- 3.3	- 1.6
MANUFACTURING	152.4	156.7	158.3	- 2.7	- 3.7
Durable Goods[e]	83.7	87.1	87.9	- 3.8	- 4.7
Furniture and fixtures	2.4	2.4	2.6	.3	- 7.2
Primary metal industries	2.5	2.5	2.2	- .8	14.4
Fabricated metal products	13.4	13.8	14.7	- 2.9	- 9.1
Fabricated structural metal products	4.4	4.5	5.0	- 2.4	- 11.5
Machinery, except electrical	25.2	25.6	25.1	- 1.6	.3
Metalworking machinery	13.2	13.4	13.1	- 1.7	.7
General industrial machinery	3.7	3.8	3.7	- 2.3	1.7
Electric and electronic equipment	8.5	8.6	8.4	- .9	2.0
Transportation equipment	21.4	23.4	25.4	- 8.5	- 15.6
Motor vehicles and equipment	6.7	7.9	8.8	- 15.8	- 23.9
Nondurable Goods[f]	68.7	69.7	70.5	- 1.4	- 2.5
Food and kindred products	16.7	17.0	17.0	- 2.3	- 1.8
Meat products	2.3	2.5	2.5	- 9.0	- 10.4
Bakery products	2.5	2.6	2.8	- 4.4	- 10.5
Beverages	5.1	5.1	4.9	- 1.2	3.2
Apparel and other textile products	3.9	3.9	3.7	.1	6.3
Paper and allied products	6.2	6.3	6.5	- 1.3	- 4.5
Printing and publishing	11.8	11.8	12.2	- .5	- 3.7
Chemicals and allied products	21.9	22.2	22.2	- 1.1	- 1.2
Rubber and misc. plastics products	4.0	4.2	4.5	- 4.5	- 9.6
NONMANUFACTURING[g]	424.4	439.5	427.6	- 3.4	- .8
CONSTRUCTION	18.9	21.7	20.6	- 12.8	- 8.2
TRANSPORTATION AND PUBLIC UTILITIES	32.8	33.4	32.9	- 1.8	- .4
Communication, electric, gas services	14.3	14.3	14.2	.2	1.3
WHOLESALE TRADE	37.6	38.2	38.2	- 1.5	- 1.6
RETAIL TRADE	98.8	105.5	99.8	- 6.4	- 1.0
FINANCE, INSURANCE, AND REAL ESTATE	31.9	32.6	32.2	- 2.3	- .9
Banking	7.4	7.5	7.4	- .5	.2
Insurance carriers	11.3	11.4	11.2	- .6	1.2
SERVICES	120.8	123.7	118.9	- 2.4	1.6
GOVERNMENT	83.3	84.1	84.7	- .9	- 1.7
Federal government	12.8	12.6	13.5	1.7	- 5.2
State government (includes education)	18.4	18.5	18.7	- .4	- 1.4
Local government	52.1	53.0	52.6	- 1.7	- .9
Local government, except education	21.5	21.7	22.5	- 1.1	- 4.4
Local government education	30.6	31.3	30.1	- 2.2	1.7

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$367.72	$374.83	$355.28	40.1	41.1	41.7	$ 9.17	$ 9.12	$ 8.52
Durable Goods[d]	347.90	367.02	348.61	39.4	41.1	41.7	8.83	8.93	8.36
Furniture and fixtures	248.16	268.22	231.91	35.2	38.1	35.9	7.05	7.04	6.46
Primary metal industries	309.75	335.62	302.22	36.7	39.3	39.3	8.44	8.54	7.69
Fabricated metal products	349.27	361.15	332.11	39.6	40.9	40.9	8.82	8.83	8.12
Fabricated structural metal products	307.60	340.42	294.17	40.0	43.2	40.8	7.69	7.88	7.21
Machinery, except electrical	327.17	352.97	324.73	38.4	40.9	41.9	8.52	8.63	7.75
Metalworking machinery	349.68	378.80	366.61	37.6	40.6	43.8	9.30	9.33	8.37
General industrial machinery	331.04	343.31	277.68	38.9	40.2	39.0	8.51	8.54	7.12
Electric and electronic equipment	267.46	289.60	262.54	38.1	40.0	39.9	7.02	7.24	6.58
Transportation equipment	470.61	483.19	478.95	41.5	42.2	43.7	11.34	11.45	10.96
Motor vehicles and equipment	554.27	535.52	558.14	43.1	42.2	45.6	12.86	12.69	12.24
Nondurable Goods[e]	388.82	383.05	363.21	40.8	41.1	41.7	9.53	9.32	8.71
Food and kindred products	425.95	440.37	403.85	40.8	42.1	42.2	10.44	10.46	9.57
Meat products	495.30	503.94	464.87	43.6	45.4	44.4	11.36	11.10	10.47
Bakery products	381.41	393.13	379.69	41.1	42.5	43.0	9.28	9.25	8.83
Beverages	360.14	372.13	346.12	38.6	39.8	40.2	9.33	9.35	8.61
Apparel and other textile products	222.74	222.26	212.14	37.0	37.8	38.5	6.02	5.88	5.51
Paper and allied products	328.80	334.65	306.53	42.1	42.2	41.2	7.81	7.93	7.44
Printing and publishing	375.20	381.20	334.02	38.8	40.0	37.7	9.67	9.53	8.86
Chemicals and allied products	446.68	413.47	422.55	42.1	41.1	44.2	10.61	10.06	9.56
Rubber and misc. plastics products	295.66	305.21	327.31	39.9	41.3	43.7	7.41	7.39	7.49
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	529.21	530.22	516.71	37.4	38.2	39.9	14.15	13.88	12.95
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	385.93	377.91	348.98	39.3	38.8	39.3	9.82	9.74	8.88
WHOLESALE TRADE	298.74	305.76	290.72	38.3	39.2	39.5	7.80	7.80	7.36
RETAIL TRADE[f]	149.65	156.55	145.53	29.4	31.0	29.7	5.09	5.05	4.90
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	194.57	192.35	183.66	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	857.3	875.6	872.0	- 2.1	- 1.7
MANUFACTURING	239.3	236.9	248.0	1.0	- 3.5
Durable Goods[e]	172.5	170.1	181.4	1.4	- 4.9
Furniture and fixtures	2.2	2.2	2.2	1.5	3.6
Primary metal industries	28.1	24.7	29.2	13.6	- 3.9
Blast furnace and basic steel products	14.5	14.2	15.5	2.0	- 6.6
Iron and steel foundries	6.9	3.7	6.9	88.5	.3
Nonferrous foundries	3.0	3.0	2.7	- .6	9.9
Fabricated metal products	36.9	37.8	37.8	- 2.5	- 2.5
Fabricated structural metal products	4.4	4.5	4.4	- 3.2	- .8
Screw machine products, bolts, etc.	5.9	5.9	5.8	- .2	1.1
Metal forgings and stampings	12.6	12.8	12.6	- 1.1	.1
Machinery, except electrical	43.5	44.0	46.6	- 1.2	- 6.6
Construction and related machinery	7.1	7.3	8.1	- 2.1	- 11.5
Metalworking machinery	15.7	15.9	17.0	- 1.2	- 9.0
Special industry machinery	4.3	4.3	4.7	- .6	- 9.5
General industrial machinery	3.6	3.7	3.9	- 1.9	- 5.9
Electric and electronic equipment	25.3	25.3	24.3	- .1	4.1
Electrical industrial apparatus	8.8	8.9	9.1	- .9	- 3.0
Transportation equipment	21.2	20.5	25.5	3.1	- 17.2
Motor vehicles and equipment	13.9	13.2	17.6	5.6	- 20.9
Instruments and related products	6.6	6.6	6.7	- .2	- 2.0
Nondurable Goods[f]	66.8	66.8	66.6	.0	.3
Food and kindred products	8.4	8.3	8.4	.7	- .1
Bakery products	1.9	1.9	1.9	3.6	4.0
Beverages	1.5	1.5	1.6	- .1	- .5
Apparel and other textile products	5.3	5.4	5.6	- 2.4	- 4.6
Paper and allied products	5.0	4.9	5.1	.1	- 2.5
Printing and publishing	15.6	15.6	15.0	.2	4.0
Chemicals and allied products	16.0	16.0	16.0	.0	- .2
Industrial inorganic chemicals	4.3	4.3	4.2	.0	1.1
Rubber and misc. plastics products	10.4	[illegible]	10.8	1.8	- 3.4
NONMANUFACTURING[g]	618.0	638.7	624.0	- 3.2	- 1.0
CONSTRUCTION	23.7	26.9	24.4	- 12.0	- 3.0
TRANSPORTATION AND PUBLIC UTILITIES	44.1	45.7	44.0	- 3.5	.1
Communication, electric, gas services	20.1	20.1	19.3	.1	4.0
WHOLESALE TRADE	61.1	62.0	62.5	- 1.4	- 2.2
RETAIL TRADE	133.1	142.5	135.9	- 6.6	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	47.6	48.0	47.8	- .8	- .4
Banking	13.3	13.5	13.7	- 1.7	- 2.9
Insurance carriers	11.9	11.9	11.8	- .2	.6
SERVICES	190.2	193.5	186.0	- 1.7	2.3
GOVERNMENT	116.9	118.9	122.0	- 1.7	- 4.2
Federal government	19.5	19.9	20.2	- 2.3	- 3.9
State government (includes education)	7.5	8.2	8.0	- 8.3	- 6.1
Local government	90.0	90.8	93.8	- 1.0	- 4.1
Local government, except education	45.6	45.5	44.8	.1	1.7
Local government education	44.4	45.3	49.0	- 2.0	- 9.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]

JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$389.27	$395.76	$381.51	39.6	40.8	41.2	$ 9.83	$ 9.70	$ 9.26
Durable Goods[d]	404.94	414.29	399.23	39.7	41.1	41.5	10.20	10.08	9.62
Furniture and fixtures	290.70	308.59	289.25	38.3	41.2	42.6	7.59	7.49	6.79
Primary metal industries	467.28	452.67	457.50	39.3	39.5	42.4	11.89	11.46	10.79
Blast furnace and basic steel products	520.08	496.69	495.51	39.4	37.8	41.5	13.20	13.14	11.94
Iron and steel foundries	483.31	474.81	489.72	37.7	39.9	42.4	12.82	11.90	11.55
Nonferrous foundries	323.40	336.93	310.24	42.0	43.7	41.2	7.70	7.71	7.53
Fabricated metal products	376.49	401.94	378.10	38.3	40.6	40.7	9.83	9.90	9.29
Fabricated structural metal products	313.18	325.98	312.37	38.1	39.9	38.9	8.22	8.17	8.03
Screw machine products, bolts, etc.	337.93	369.36	342.95	37.8	40.5	40.3	8.94	9.12	8.51
Metal forgings and stampings	450.38	480.33	467.46	38.2	40.5	42.0	11.79	11.86	11.13
Machinery, except electrical	415.34	425.34	402.36	40.8	41.7	42.0	10.18	10.20	9.58
Construction and related machinery	455.47	489.90	405.81	40.2	42.6	40.1	11.33	11.50	10.12
Metalworking machinery	409.04	416.25	399.59	40.7	41.5	42.6	10.05	10.03	9.38
Special industry machinery	416.07	422.94	361.92	41.4	42.0	39.0	10.05	10.07	9.28
General industrial machinery	408.70	435.74	376.13	41.2	43.1	41.7	9.92	10.11	9.02
Electric and electronic equipment	355.06	365.08	339.07	41.0	42.6	41.3	8.66	8.57	8.21
Electrical industrial apparatus	358.05	349.98	355.37	38.5	38.8	40.8	9.30	9.02	8.71
Transportation equipment	469.66	485.07	477.99	39.6	40.9	42.3	11.86	11.86	11.30
Motor vehicles and equipment	468.71	498.13	486.30	38.2	40.4	41.6	12.27	12.33	11.69
Instruments and related products	318.02	321.48	274.06	41.9	42.3	38.6	7.59	7.60	7.10
Nondurable Goods[e]	341.43	341.54	323.21	39.2	39.9	40.3	8.71	8.56	8.02
Food and kindred products	343.26	344.76	329.65	40.1	40.8	40.3	8.56	8.45	8.18
Bakery products	357.50	361.56	339.31	39.2	39.3	39.5	9.12	9.20	8.59
Beverages	289.91	343.35	273.15	38.5	45.0	38.8	7.53	7.63	7.04
Apparel and other textile products	243.38	248.57	228.92	37.1	38.3	38.8	6.56	6.49	5.90
Paper and allied products	373.75	368.41	331.10	41.9	42.2	41.7	8.92	8.73	7.94
Printing and publishing	369.74	357.40	344.51	38.0	37.9	37.9	9.73	9.43	9.09
Chemicals and allied products	406.59	407.30	388.50	40.7	41.1	42.0	9.99	9.91	9.25
Industrial inorganic chemicals	417.74	417.96	399.33	40.4	40.5	40.5	10.34	10.32	9.86
Rubber and misc. plastics products	285.25	295.00	281.65	38.6	40.3	42.1	7.39	7.32	6.69
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	515.13	569.30	550.62	33.0	36.8	38.0	15.61	15.47	14.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	453.47	444.31	413.69	41.3	40.8	41.0	10.98	10.89	10.09
WHOLESALE TRADE	321.95	326.93	301.85	38.1	39.2	38.6	8.45	8.34	7.82
RETAIL TRADE[f]	157.35	159.57	154.15	27.8	28.7	28.6	5.66	5.56	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	222.58	218.09	208.31	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	499.7	514.7	501.6	- 2.9	- .4
MANUFACTURING	91.1	92.0	94.3	- .9	- 3.3
Durable Goods[e]	58.0	58.5	60.5	- .8	- 4.1
Stone, clay, and glass products	9.3	9.5	9.8	- 2.4	- 5.2
Fabricated metal products	10.2	10.5	11.7	- 3.1	- 12.7
Machinery, except electrical	11.7	11.8	11.5	- 1.3	1.1
Electric and electronic equipment	11.8	11.8	12.2	- .1	- 3.0
Transportation equipment	6.4	6.1	6.1	5.6	5.0
Nondurable Goods[f]	33.1	33.5	33.7	- 1.0	- 1.8
Food and kindred products	10.6	10.5	10.4	.4	1.3
Printing and publishing	8.4	8.5	8.9	- 1.8	- 5.5
Chemicals and allied products	6.1	6.1	6.1	- .8	.5
Rubber and misc. plastics products	2.8	2.9	3.0	- 3.8	- 6.5
NONMANUFACTURING[g]	408.6	422.0	407.4	- 3.4	.3
CONSTRUCTION	14.7	17.4	15.8	- 15.5	- 7.0
TRANSPORTATION AND PUBLIC UTILITIES	23.7	24.7	23.7	- 4.3	- .3
Communication, electric, gas services ..	11.6	11.6	11.2	.1	3.5
WHOLESALE TRADE	27.1	27.4	27.0	- 1.0	.5
RETAIL TRADE	91.6	98.5	90.8	- 7.0	.9
FINANCE, INSURANCE, AND REAL ESTATE	40.2	40.1	38.4	.2	4.7
Banking	8.1	8.0	7.8	1.0	3.4
Insurance carriers	17.4	17.4	16.8	.4	4.0
SERVICES	107.8	109.2	105.2	- 1.3	2.5
GOVERNMENT	102.8	104.7	105.9	- 1.8	- 2.9
Federal government	11.5	11.5	11.5	- .3	- .6
State government	48.9	50.5	48.8	- 3.2	.1
State government, except education ...	29.3	29.4	29.0	- .5	.9
State government education[i]	19.6	21.1	19.8	- 6.9	- 1.1
Local government	42.5	42.7	45.5	- .5	- 6.6
Local government, except education ...	17.1	17.2	19.7	- .6	- 12.9
Local government education	25.4	25.5	25.8	- .5	- 1.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$353.92	$362.39	$331.63	39.5	40.4	40.1	$ 8.96	$ 8.97	$ 8.27
Durable Goods[d]	371.73	382.17	347.06	39.8	40.7	39.8	9.34	9.39	8.72
Stone, clay, and glass products	340.17	358.40	322.38	38.7	40.0	40.5	8.79	8.96	7.96
Fabricated metal products	421.61	429.79	413.29	39.7	40.7	39.1	10.62	10.56	10.57
Machinery, except electrical	355.92	380.42	359.91	40.4	42.6	43.0	8.81	8.93	8.37
Electric and electronic equipment	363.60	368.85	328.20	40.0	40.4	39.4	9.09	9.13	8.33
Transportation equipment	446.16	447.12	382.32	42.9	43.2	40.5	10.40	10.35	9.44
Nondurable Goods[e]	317.00	322.78	296.87	38.8	39.8	40.5	8.17	8.11	7.33
Food and kindred products	330.00	334.97	307.02	40.0	41.0	42.0	8.25	8.17	7.31
Printing and publishing	345.19	354.64	292.88	38.1	39.1	35.5	9.06	9.07	8.25
Chemicals and allied products	356.73	359.16	340.26	40.4	41.0	42.8	8.83	8.76	7.95
Rubber and misc. plastics products	279.74	281.70	283.05	39.4	40.3	42.5	7.10	6.99	6.66
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	438.78	464.63	413.29	35.5	37.5	37.0	12.36	12.39	11.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	434.11	427.03	397.54	40.8	40.4	40.4	10.64	10.57	9.84
WHOLESALE TRADE	291.78	290.61	280.60	38.8	38.8	39.3	7.52	7.49	7.14
RETAIL TRADE[f]	145.98	149.35	139.20	28.4	29.4	29.0	5.14	5.08	4.80
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	...	....	....
Banking	183.71	184.02	174.38	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	.. ...	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]

JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	349.2	356.1	351.6	- 2.2	- 1.0
MANUFACTURING	95.7	96.7	97.4	- 1.0	- 1.7
Durable Goods[e]	65.8	66.7	66.2	- 1.3	- .5
Stone, clay, and glass products	2.1	2.2	2.2	- 3.5	- 5.6
Fabricated metal products	6.9	7.0	7.1	- .7	- 2.2
Machinery, except electrical	31.3	31.7	31.5	- 1.4	- .6
Metalworking machinery	6.9	7.0	7.3	- 1.5	- 5.5
Electric and electronic equipment	5.4	5.4	5.7	- .8	- 5.3
Electrical industrial apparatus	3.3	3.3	3.4	- .5	- 3.9
Transportation equipment	14.1	14.3	13.5	- 1.5	4.4
Nondurable Goods[f]	29.9	30.0	31.2	- .3	- 4.2
Food and kindred products	3.1	3.1	3.1	- .8	.1
Paper and allied products	5.6	5.6	5.9	.8	- 5.1
Printing and publishing	9.0	9.0	9.3	.0	- 3.4
Rubber and misc. plastics products	8.7	8.6	9.3	- 1.3	- 6.6
NONMANUFACTURING[g]	252.5	259.4	254.2	- 2.7	- .7
CONSTRUCTION	9.2	11.1	11.0	- 17.1	- 16.2
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.3	13.0	- 2.1	- .2
Communication, electric, gas services	6.5	6.6	6.6	- .3	- 1.6
WHOLESALE TRADE	16.5	16.7	16.4	- 1.2	1.0
RETAIL TRADE	55.1	59.0	56.1	- 6.6	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	13.7	13.7	13.4	.2	2.9
SERVICES	75.3	75.1	73.6	.2	2.4
GOVERNMENT	69.3	70.0	70.4	- 1.1	- 1.7
Federal government	25.7	25.8	25.6	- .1	.5
State government (includes education)	5.7	6.0	5.8	- 4.9	- 1.8
Local government	37.8	38.3	39.0	- 1.2	- 3.1
Local government, except education	12.9	13.1	14.0	- 1.0	- 7.7
Local government education	24.9	25.2	25.0	- 1.3	- .6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.00	$412.29	$386.64	39.8	41.1	41.7	$10.00	$10.03	$ 9.32
Durable Goods[d]	403.06	411.93	386.13	40.3	41.4	42.2	10.01	9.95	9.15
Stone, clay, and glass products	429.91	373.76	337.31	40.8	38.1	37.9	10.54	9.81	8.90
Fabricated metal products	298.33	314.20	275.33	39.1	40.7	38.4	7.63	7.72	7.17
Machinery, except electrical	411.82	426.99	395.71	41.1	43.0	43.2	10.02	9.93	9.16
Metalworking machinery	399.64	425.10	431.44	41.2	43.6	45.8	9.70	9.75	9.42
Electric and electronic equipment	408.07	409.07	387.64	42.2	42.7	43.9	9.67	9.58	8.83
Electrical industrial apparatus	319.87	327.81	304.41	40.8	41.6	41.7	7.84	7.88	7.30
Transportation equipment	478.53	496.31	488.14	39.0	39.8	41.9	12.27	12.47	11.65
Nondurable Goods[e]	387.77	411.46	393.16	38.7	40.3	40.7	10.02	10.21	9.66
Food and kindred products	396.89	409.63	376.61	41.3	42.1	42.7	9.61	9.73	8.82
Paper and allied products	340.72	323.97	331.93	41.1	40.7	41.7	8.29	7.96	7.96
Printing and publishing	422.01	414.86	410.00	40.5	40.2	41.0	10.42	10.32	10.00
Rubber and misc. plastics products	431.88	504.27	471.98	35.4	39.8	40.1	12.20	12.67	11.77
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	467.73	498.13	487.65	35.3	38.2	39.2	13.25	13.04	12.44
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	441.15	416.07	388.09	41.5	40.2	40.3	10.63	10.35	9.63
WHOLESALE TRADE	289.04	286.88	277.22	40.2	41.1	41.5	7.19	6.98	6.68
RETAIL TRADE[f]	145.79	150.37	142.77	28.2	29.6	28.9	5.17	5.08	4.94
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	281.8	290.8	286.4	- 3.1	- 1.6
MANUFACTURING	68.6	70.1	73.7	- 2.2	- 6.9
Durable Goods[e]	53.1	54.2	57.0	- 2.0	- 6.8
Stone, clay, and glass products	12.6	12.7	13.1	- .8	- 4.2
Primary metal industries	3.6	4.0	4.4	- 8.4	- 17.3
Fabricated metal products	6.5	6.6	7.4	- 1.4	- 12.2
Metal forgings and stampings	2.9	3.0	3.5	- 1.2	- 16.2
Machinery, except electrical	6.0	6.5	6.9	- 8.0	- 13.0
General industrial machinery	1.4	1.9	2.1	- 24.7	- 31.3
Transportation equipment	16.6	16.4	16.8	.8	- 1.4
Motor vehicles and equipment	15.1	15.0	15.4	.5	- 1.9
Nondurable Goods[f]	15.5	16.0	16.7	- 2.9	- 7.1
Food and kindred products	4.0	4.1	3.9	- 3.0	3.0
Petroleum and coal products	1.7	1.7	1.9	.2	- 13.4
Rubber and misc. plastics products	2.9	3.0	3.4	- 4.8	- 14.0
NONMANUFACTURING[g]	213.2	220.7	212.8	- 3.4	.2
CONSTRUCTION	9.5	11.0	10.5	- 13.9	- 9.1
TRANSPORTATION AND PUBLIC UTILITIES	18.5	19.3	18.7	- 4.1	- 1.0
Communication, electric, gas services	7.6	7.7	7.4	- .2	3.7
WHOLESALE TRADE	14.3	14.6	14.5	- 1.8	- .9
RETAIL TRADE	50.2	53.4	50.3	- 6.1	- .3
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.6	10.5	- 1.0	- .6
SERVICES	64.0	64.6	60.6	- 1.1	5.6
GOVERNMENT	45.8	46.6	47.4	- 1.6	- 3.2
State government (includes education)	14.6	14.8	14.7	- 1.8	- .9
Local government	28.5	29.0	29.9	- 1.6	- 4.8
Local government, except education	10.9	11.1	11.9	- 1.7	- 8.0
Local government education	17.5	17.8	18.0	- 1.6	- 2.7

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]

JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$419.20	$429.52	$388.82	40.0	41.3	40.8	$10.48	$10.40	$ 9.53
Durable Goods[d]	433.71	445.21	396.09	39.9	41.3	40.5	10.87	10.78	9.78
Stone, clay, and glass products	434.68	442.15	406.43	40.7	41.4	41.6	10.68	10.68	9.77
Primary metal industries	425.12	423.04	402.91	42.3	43.3	43.7	10.05	9.77	9.22
Fabricated metal products	370.36	370.47	351.68	39.4	40.4	40.1	9.40	9.17	8.77
Metal forgings and stampings	439.70	425.81	388.28	39.9	39.5	39.3	11.02	10.78	9.88
Machinery, except electrical	415.75	424.77	394.59	40.8	41.2	41.8	10.19	10.31	9.44
General industrial machinery	413.09	439.82	416.40	36.3	39.2	40.0	11.38	11.22	10.41
Transportation equipment	498.63	522.45	432.28	39.7	41.9	38.7	12.56	12.47	11.17
Motor vehicles and equipment	501.41	523.34	435.79	39.7	41.8	38.6	12.63	12.52	11.29
Nondurable Goods[e]	367.43	378.14	363.27	40.2	41.6	41.9	9.14	9.09	8.67
Food and kindred products	360.59	397.81	391.16	40.2	43.1	44.0	8.97	9.23	8.89
Petroleum and coal products	576.76	572.47	575.48	44.4	43.6	44.2	12.99	13.13	13.02
Rubber and misc. plastics products	307.51	323.97	300.21	38.2	40.7	40.9	8.05	7.96	7.34
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	555.98	602.45	552.96	35.1	37.7	38.4	15.84	15.98	14.40
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.88	431.01	417.66	41.1	40.7	41.6	10.80	10.59	10.04
WHOLESALE TRADE	325.47	330.40	291.08	38.7	39.1	38.1	8.41	8.45	7.64
RETAIL TRADE[f]	155.38	160.14	151.61	28.2	29.6	29.1	5.51	5.41	5.21
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JANUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1982[b]	December 1981[c]	January 1981[c]	December 1981	January 1981
TOTAL	192.2	193.1	195.8	- .5	- 1.9
MANUFACTURING	63.5	59.9	67.1	6.1	- 5.4
Durable Goods[e]	57.9	54.1	61.3	7.0	- 5.5
Stone, clay, and glass products	1.8	1.9	1.7	- 7.3	3.7
Primary metal industries	26.6	28.2	30.6	- 5.7	- 13.1
Blast furnace and basic steel products	14.5	14.6	15.2	- .5	- 4.3
Fabricated metal products	8.9	9.2	9.0	- 3.1	- 1.5
Fabricated structural metal products .	2.8	2.8	2.7	- 1.1	2.1
Machinery, except electrical	5.5	5.4	5.9	3.0	- 6.6
Metalworking machinery	2.5	2.5	2.8	- .2	- 12.1
Electric and electronic equipment	3.1	3.1	3.1	- 1.5	- .8
Transportation equipment	10.2	4.5	8.9	126.7	15.1
Nondurable Goods[f]	5.6	5.7	5.8	- 2.5	- 4.2
NONMANUFACTURING[g]	128.6	133.3	128.7	- 3.5	.0
CONSTRUCTION	5.4	6.2	5.8	- 13.0	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	8.9	9.4	9.1	- 6.0	- 2.1
Communication, electric, gas services ..	3.3	3.3	3.2	- .2	.6
WHOLESALE TRADE	7.7	7.9	7.8	- 2.5	- 1.9
RETAIL TRADE	34.9	37.0	35.2	- 5.6	- .8
FINANCE, INSURANCE, AND REAL ESTATE	7.1	7.2	7.0	- .7	2.8
SERVICES	38.8	38.9	37.6	- .4	3.0
GOVERNMENT	25.2	26.0	25.6	- 3.0	- 1.6
Local government (includes education) ..	19.8	20.2	20.3	- 1.7	- 2.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JANUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1982[b]	December 1981[c]	January 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]	Jan. 1982[b]	Dec. 1981[c]	Jan. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$459.39	$451.61	$470.61	39.5	39.1	41.5	$11.63	$11.55	$11.34
Durable Goods[d]	470.45	463.73	484.22	39.6	39.1	41.6	11.88	11.86	11.64
Stone, clay, and glass products	304.96	300.66	275.62	37.1	36.8	34.8	8.22	8.17	7.92
Primary metal industries	496.90	502.57	500.17	38.4	38.6	41.2	12.94	13.02	12.14
Blast furnace and basic steel products	536.67	538.89	506.28	40.2	39.8	40.6	13.35	13.54	12.47
Fabricated metal products	442.49	447.93	563.41	39.9	40.5	45.4	11.09	11.06	12.41
Fabricated structural metal products	313.62	321.70	338.69	38.2	38.9	39.2	8.21	8.27	8.64
Machinery, except electrical	451.49	454.80	434.50	39.5	40.0	39.5	11.43	11.37	11.00
Metalworking machinery	490.89	494.06	495.94	42.1	42.3	43.2	11.66	11.68	11.48
Electric and electronic equipment	356.81	336.40	325.14	40.5	38.8	39.7	8.81	8.67	8.19
Transportation equipment	519.40	470.37	538.12	42.4	39.1	44.0	12.25	12.03	12.23
Nondurable Goods[e]	329.87	323.05	298.62	38.9	39.3	39.5	8.48	8.22	7.56
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	492.08	532.58	562.65	35.3	37.4	39.1	13.94	14.24	14.39
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	423.85	433.41	404.55	41.8	42.7	42.9	10.14	10.15	9.43
WHOLESALE TRADE	317.75	326.76	308.51	38.1	39.8	39.3	8.34	8.21	7.85
RETAIL TRADE[f]	154.66	159.68	148.26	28.8	30.3	29.3	5.37	5.27	5.06
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
FEBRUARY 1982

Jobless Ohioans numbered 606,000 in February, representing 12.2 percent of the civilian labor force--up from 598,000 and 11.9 percent in January. Total employment declined 1.6 percent, to 4,361,000. Further cutbacks among factories lowered nonfarm payroll employment .3 percent, to 4,176,000.

Manufacturing employment in Ohio slipped 1.4 percent to 1,151,000. Layoffs due to lack of orders further reduced employment in the automotive industries. Manufacturers of automobiles and equipment, along with producers of automotive castings and plastic components separated several thousand workers. Less business also led to layoffs in basic steel, structural metals, household appliances, and nonelectrical machinery. Recalls were reported, however, for production of nonferrous castings, household furniture, and pottery.

Nonmanufacturing employment in Ohio in February totaled 3,025,000, up fractionally from January. Employment in public schools and colleges rebounded from January. Service industries employment advanced, with gains in business services and an upturn in private education. Retailing dropped, however, among department, apparel, and food stores. Construction dipped to its winter employment low, as unfavorable weather hampered most outdoor activities.

Average weekly earnings of Ohio's factory production workers rose $9 from January, to $396 in February. Many manufacturers resumed normal production schedules following January curtailments, raising the average workweek to 40.2 hours--up .9 hours. More overtime was reported in several industries, notably automotive stampings, construction machinery, nonferrous castings, and fabricated structural metals. Longer workweeks boosted weekly earnings in motor vehicles, household furniture, and leather goods, while overtime plus hourly-rate increases raised earnings in iron foundries. Overtime curtailments, however, were reported by petroleum refiners and meat processors.

Unemployment in Ohio increased by 110,000 between February 1981 and February 1982, lifting the jobless rate by over two percentage points. Total employment slipped 1.9 percent, as nonfarm payrolls dropped similarly. Recessionary losses in primary and fabricated metals, transportation equipment, and nonelectrical machinery accounted for much of the decrease in factory employment. Nonmanufacturing was relatively unchanged, as gains in services offset declines in other industries. Factory production workers grossed $22 more per week in February 1982 than in February of last year, although their average workweek was down .4 hours.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.—Akron's nonagricultural wage and salary employment totaled 252,500 in February, up 400 from January. Nonmanufacturing accounted for the gain as education employment rebounded. Despite gains in durable goods, manufacturing slipped 300, to 72,700 for the month, due mainly to layoffs of rubber workers. Production workers in manufacturing industries grossed $9.75 per hour for a workweek of 41.5 hours, up 2¢ and .9 hours, respectively, from January averages.

Canton.—Nonfarm payroll employment in the Canton area decreased 300 from January, to 152,600 in February. Seasonal losses in retailing and construction lowered nonmanufacturing in February. Manufacturing rose slightly, to 52,800 for the month. The average workweek of factory production workers was up 1.1 hours, to 39.3 hours for the month. Their hourly earnings rose 11¢, to $10.06 in February.

Cincinnati.—Nonagricultural establishments in the Cincinnati area employed 575,800 wage and salary workers in February, down 800 from January. Manufacturing—down 2,400, to 149,500—accounted for the loss, mainly attributable to cutbacks in orders for motor vehicles. Seasonal shrinkage in retail trade was offset by expansion in services and government, lifting nonmanufacturing for the month. The workweek for the average factory production worker, at 40.0 hours, was up .2 hours, while his average hourly earnings, at $9.24, were down slightly for the month.

Cleveland.—February nonfarm payroll employment in Cleveland totaled 854,600, down 1,400 from January. Manufacturing slipped 700, to 237,300. Seasonal layoffs in retail trade, transportation, and construction lowered nonmanufacturing, despite gains in services and public schools. The average factory production workweek, at 40.3 hours, was up 1.5 hours. Average hourly earnings, at $9.88, were 6¢ higher in February.

Columbus.—Workers on nonfarm payrolls in Columbus numbered 499,800 in February, down slightly from January. Manufacturing, down 500 to 90,500, accounted for the loss, as various durable-goods industries decreased for the month. Nonmanufacturing increased, however, as losses in retailing were offset by gains in education. Production workers in factories grossed $9.02 per hour for a workweek of 39.7 hours, little changed from January.

Dayton.—Dayton's nonagricultural wage and salary employment dropped 3,300 from January, to 345,800 in February. Manufacturing, down 2,700 to 93,000, accounted for most of the decrease, as producers of motor vehicles and their component parts reported cutbacks. Although education and services rose seasonally, declines in retail trade and construction lowered nonmanufacturing. The workweek and hourly earnings of the average factory production worker, at 39.9 hours and $9.82 an hour, were up .4 hours but down 10¢ from January.

Toledo.—Nonfarm employment in the Toledo area totaled 282,000 in February, up fractionally from January. Nonmanufacturing employment shrank seasonally, with losses concentrated in retailing and construction. Manufacturing gained 500, to 69,100 in February. Earnings of factory production workers rose 17¢, to $10.75 an hour. Average weekly hours, at 41.2 hours, were up 1.5 hours from January.

Youngstown-Warren.—Nonfarm establishments in the Youngstown-Warren area employed 185,300 in February, down 6,500 from January. The decrease occurred in manufacturing, down 6,800 to 56,800 for the month, as auto workers were furloughed due to lack of orders. Nonmanufacturing rose slightly from January. The average workweek for factory production workers, at 39.3 hours, was up .2 hours from January. Their average hourly earnings slipped 4¢, to $11.69 for February.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 3-19-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
February.	254.6	154.3	586.1	867.1	501.2	349.3	283.1	194.2
March ...	256.4	154.6	589.5	873.0	504.1	352.1	288.3	196.5
April ...	259.7	157.2	596.9	880.5	506.8	354.0	292.7	198.4
May	262.7	158.1	599.1	885.3	510.3	354.7	295.3	203.0
June ...	259.4	158.9	600.5	893.2	512.7	355.2	298.1	204.4
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.5	152.6	575.8	854.6	499.8	345.8	282.0	185.3
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.6	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
February.	75.8	54.8	158.1	247.1	94.0	96.4	71.4	65.4
March ...	76.5	54.3	157.6	247.7	94.2	97.6	74.6	68.8
April ...	76.6	55.1	158.0	247.7	93.4	97.9	75.3	69.2
May	76.6	55.4	158.6	248.0	94.1	98.3	75.3	69.8
June	77.3	55.9	160.1	251.3	94.4	98.4	76.1	69.9
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.7	52.8	149.5	237.3	90.5	93.0	69.1	56.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
February.	44.8	39.6	104.3	163.1	61.9	53.4	46.2	48.5
March ...	45.3	39.1	103.9	163.4	62.0	64.5	49.1	51.8
April ...	45.1	40.0	104.2	163.7	61.4	64.7	49.9	52.8
May	44.9	40.2	104.4	164.0	62.0	64.9	49.9	53.3
June	45.1	40.6	105.5	166.2	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	40.0	37.3	96.5	151.6	58.9	59.7	45.0	41.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.2	39.9	41.6	40.9	40.8
1981								
February.	41.5	40.0	41.0	41.0	39.7	41.0	40.1	40.6
March ...	41.9	40.3	41.1	41.4	39.9	41.4	41.2	40.8
April ...	42.1	40.0	40.8	41.2	39.7	42.0	40.8	41.3
May	42.4	40.1	41.4	41.6	39.9	41.8	41.2	40.8
June	42.4	40.4	41.3	42.1	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.7	39.4	41.6	40.4	40.5
August ..	41.7	39.6	40.6	41.2	40.3	41.9	40.3	41.8
September	40.8	40.1	41.2	41.0	40.0	40.9	41.6	41.6
October .	41.2	39.7	40.7	40.8	39.8	41.3	41.1	39.9
November.	41.5	39.8	41.0	40.9	40.3	41.5	40.7	40.4
December.	42.4	40.2	41.1	40.8	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.5	39.3	40.0	40.3	39.7	39.9	41.2	39.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS								
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.79	8.65	8.90	10.27
1981	9.50	9.75	8.75	9.61	8.59	9.67	9.86	11.58
1981								
February.	9.22	9.55	8.53	9.31	8.30	9.25	9.50	11.43
March ...	9.31	9.60	8.58	9.40	8.36	9.39	9.65	11.56
April ...	9.36	9.67	8.59	9.53	8.45	9.57	9.66	11.62
May	9.50	9.67	8.68	9.59	8.47	9.52	9.71	11.58
June	9.53	9.76	8.67	9.78	8.57	9.72	9.91	11.67
July	9.57	9.73	8.71	9.64	8.51	9.66	9.85	11.61
August ..	9.60	9.78	8.78	9.71	8.63	9.87	9.85	11.76
September	9.64	9.96	8.91	9.78	8.77	9.72	10.06	11.66
October .	9.66	9.96	8.97	9.82	8.87	9.98	10.13	11.54
November.	9.74	10.01	9.03	9.82	8.97	10.02	10.10	11.66
December.	9.71	10.09	9.12	9.70	8.97	10.03	10.40	11.55
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.75	10.06	9.24	9.88	9.02	9.82	10.75	11.69
MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS								
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.00	359.63	395.93	342.74	402.27	403.27	472.46
1981								
February.	382.63	382.00	349.73	381.71	329.51	379.25	380.95	464.06
March ...	390.09	386.88	352.64	389.16	333.56	388.75	397.58	471.65
April ...	394.06	386.80	350.47	392.64	335.47	401.94	394.13	479.91
May	402.80	387.77	359.35	398.94	337.95	397.94	400.05	472.46
June	404.07	394.30	358.07	411.74	341.94	413.10	409.28	483.14
July	400.98	387.25	356.24	392.35	335.29	401.86	397.94	470.21
August ..	400.32	387.29	356.47	400.05	347.79	413.55	396.96	491.57
September	393.31	395.40	367.09	400.98	350.80	397.55	418.50	485.06
October .	397.99	395.41	365.08	400.66	353.03	412.17	416.34	460.45
November.	404.21	398.40	370.23	401.64	361.49	415.83	411.07	471.06
December.	411.70	405.62	374.83	395.76	362.39	412.23	429.52	451.61
1982								
January..	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	404.63	395.36	369.60	398.16	358.09	391.82	442.90	459.42

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		AKRON[b]					CANTON[c]		
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
January	292.6	261.7	30.8	10.5	January ...	182.9	163.9	18.9	10.3
February ...	292.4	263.4	28.9	9.9	February ..	181.7	163.7	18.0	9.9
March	298.2	271.2	27.0	9.1	March	186.1	168.2	17.9	9.6
April	300.4	278.1	22.3	7.4	April	186.9	172.6	14.3	7.7
May	308.4	283.6	24.8	8.0	May	191.0	175.6	15.3	8.0
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January[p] ...	298.7	264.5	34.2	11.5	January[p] ..	187.7	164.1	23.6	12.6
		CINCINNATI[d]					CLEVELAND[e]		
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1981	689.2	629.7	59.4	8.6	1981	929.2	850.8	78.4	8.4
1981					1981				
January	668.3	606.9	61.5	9.2	January ...	906.5	827.9	78.6	8.7
February ...	664.9	607.3	57.6	8.7	February ..	900.9	822.6	78.3	8.7
March	677.5	621.4	56.1	8.3	March	924.2	847.1	77.1	8.3
April	684.7	636.8	47.9	7.0	April	927.7	864.5	63.3	6.8
May	695.5	645.0	50.5	7.3	May	942.6	875.3	67.3	7.1
June	697.2	643.2	54.1	7.8	June	942.1	869.6	72.6	7.7
July	706.2	643.8	62.4	8.8	July	960.4	877.8	82.6	8.6
August	697.6	638.8	58.8	8.4	August	947.5	867.9	79.7	8.4
September ..	695.2	631.1	64.1	9.2	September .	922.4	839.8	82.6	9.0
October	693.9	630.5	63.4	9.1	October ...	923.6	843.7	79.9	8.7
November ...	697.5	629.5	68.0	9.8	November ..	931.4	844.3	87.1	9.4
December ...	691.6	622.6	69.0	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January[p] ...	666.0	595.1	70.9	10.7	January[p] ..	907.3	822.9	84.4	9.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1981 are geared to 1980 Census (in Cincinnati area, only 1982 data). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.4	425.5	19.9	4.5	1971	349.3	326.0	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.6	336.3	17.3	4.9
1973	485.3	468.2	17.1	3.5	1973	357.9	343.4	14.5	4.0
1974	494.7	474.7	19.9	4.0	1974	358.9	341.9	17.0	4.7
1975	493.5	457.1	36.4	7.4	1975	356.5	326.7	29.8	8.4
1976	501.7	466.7	35.0	7.0	1976	359.2	335.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	366.6	346.4	20.2	5.5
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	557.4	525.8	31.6	5.7	1980	389.0	359.8	29.2	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
January	545.0	502.3	42.7	7.8	January	381.1	348.7	32.4	8.5
February	543.6	501.6	42.0	7.7	February	377.5	346.7	30.8	8.2
March	557.2	515.9	41.3	7.4	March	387.2	357.1	30.2	7.8
April	559.4	525.0	34.4	6.1	April	388.2	363.3	24.9	6.4
May	571.5	533.4	38.0	6.7	May	396.4	368.4	27.9	7.1
June	569.3	528.1	41.2	7.2	June	393.2	363.4	29.8	7.6
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September	561.3	511.9	49.4	8.8	September	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October	389.7	356.4	33.3	8.5
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January[p]	554.9	506.1	48.8	8.8	January[p]	388.9	349.1	39.8	10.2
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.0	207.1	17.9	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	343.8	324.2	19.7	5.7	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.9	328.5	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.4	6.2	1978	234.3	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	237.5	209.5	28.0	11.8
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
January	356.9	315.3	41.6	11.7	January	234.1	198.2	35.9	15.3
February	354.2	311.3	42.9	12.1	February	231.1	196.4	34.7	15.0
March	363.5	323.6	39.9	11.0	March	231.8	204.1	27.7	11.9
April	364.9	333.1	31.8	8.7	April	229.7	208.6	21.1	9.2
May	373.2	339.6	33.6	9.0	May	235.4	214.3	21.1	8.9
June	373.9	339.2	34.7	9.3	June	234.5	212.3	22.1	9.4
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September	365.7	324.9	40.8	11.2	September	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October	230.2	204.9	25.3	11.0
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January[p]	363.7	313.5	50.1	13.8	January[p]	233.1	196.6	36.5	15.7

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1981 are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
February.	4,922	4,423	499	10.1	8.0
March ...	5,039	4,567	471	9.3	7.7
April ...	5,058	4,672	386	7.6	7.0
May	5,167	4,752	414	8.0	7.1
June	5,144	4,707	437	8.5	7.7
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
February.	4,251.3	1,225.8	3,025.5
March ...	4,289.4	1,239.4	3,050.0
April ...	4,326.0	1,243.3	3,082.7
May	4,356.7	1,247.2	3,109.6
June	4,384.6	1,256.2	3,128.4
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,176.0	1,151.3	3,024.7

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	175.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
February.	30.4	131.7	213.6	227.9	689.1	202.8	831.3	698.6
March ...	31.0	139.4	214.5	228.9	695.2	203.3	838.4	699.4
April ...	22.7	150.6	217.0	230.2	709.5	204.0	854.3	694.4
May	23.1	155.6	217.8	230.4	719.0	204.6	859.3	699.6
June	31.6	161.6	220.0	232.6	720.5	206.4	870.0	685.6
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.5	212.8	227.6	681.9	204.5	858.2	685.6

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
February.	1,225.8	853.9	371.9	839.1	314.1	34.1
March ...	1,239.4	867.6	371.8	852.5	325.3	34.9
April ...	1,243.3	870.4	373.0	858.6	332.3	35.2
May	1,247.2	873.2	373.9	861.9	337.1	35.6
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,151.3	791.2	360.0	776.0	307.6	31.2

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.96	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
February.	374.33	386.24	343.36	40.6	40.7	40.3	9.22	9.49	8.52
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	396.37	406.21	372.08	40.2	40.1	40.4	9.86	10.13	9.21

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
February.	60.2	138.2	153.0	204.9	101.9	133.8	69.5	66.5	89.0
March ...	60.9	139.4	154.6	204.9	101.3	143.5	69.0	66.4	89.3
April ...	61.5	140.7	156.3	205.8	101.8	141.3	69.6	66.0	90.0
May	61.9	140.8	157.3	206.1	102.2	141.5	69.3	66.0	90.4
June	62.8	141.4	158.6	206.7	103.3	142.3	70.5	66.1	90.7
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February	55.2	123.6	142.1	192.3	97.4	121.1	68.3	65.9	82.3
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	388.40	388.75	356.87	466.88	363.62	348.08	369.08
1981									
February.	330.86	468.54	378.01	377.73	343.48	436.30	351.51	324.63	355.37
March ...	334.14	477.25	390.19	382.39	349.32	447.04	347.24	329.12	367.84
April ...	337.77	495.76	387.73	379.35	354.24	457.19	353.83	337.42	370.71
May	345.24	488.04	394.15	386.46	352.92	466.35	364.50	344.42	366.80
June	348.02	496.69	399.23	392.29	356.59	488.62	357.62	348.91	375.84
July	349.57	486.38	384.71	387.57	353.76	465.03	360.91	346.94	363.69
August ..	353.42	485.48	387.03	392.35	364.67	488.92	361.84	351.16	372.69
September	360.14	504.00	384.40	391.14	364.50	476.63	378.88	364.03	359.96
October .	356.65	475.61	390.98	393.72	366.93	477.02	368.33	356.45	374.54
November.	361.97	488.03	391.78	402.82	369.15	476.10	378.84	363.65	371.08
December.	359.31	476.80	397.23	403.94	369.33	475.86	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.89	480.39	390.65	395.04	363.60	475.73	375.46	366.91	378.51

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	4176.0	4190.3	4251.3	- .3	- 1.8
MANUFACTURING	1151.3	1167.1	1225.8	- 1.4	- 6.1
Durable Goods[e]	791.2	804.8	853.9	- 1.7	- 7.3
Lumber and wood products	12.4	12.6	13.2	- 1.2	- 5.9
Furniture and fixtures	13.8	13.4	14.8	2.8	- 6.9
Household furniture	6.3	5.9	6.8	7.9	- 7.7
Stone, clay, and glass products	55.2	55.4	60.2	- .3	- 8.2
Glass and glassware, pressed or blown	14.1	14.2	14.9	- .2	- 4.9
Structural clay products	4.6	4.7	6.0	- 3.1	- 23.6
Pottery and related products	6.1	5.7	6.9	7.2	- 11.1
Primary metal industries	123.6	126.0	138.2	- 1.9	- 10.6
Blast furnace and basic steel products	66.1	67.3	71.9	- 1.8	- 8.0
Iron and steel foundries	24.5	26.0	29.1	- 5.7	- 15.8
Nonferrous rolling and drawing	17.2	17.4	19.5	- .8	- 11.7
Nonferrous foundries	9.1	8.6	10.1	5.7	- 10.3
Fabricated metal products	142.1	143.3	153.0	- .9	- 7.1
Cutlery, hand tools, and hardware	11.8	11.8	13.2	.2	- 10.5
Plumbing and heating, except electric	4.6	4.4	5.1	4.6	- 10.7
Fabricated structural metal products	33.9	34.9	36.3	- 2.8	- 6.5
Screw machine products, bolts, etc.	10.1	9.9	10.6	1.6	- 5.1
Metal forgings and stampings	38.5	38.9	43.0	- .9	- 10.3
Machinery, except electrical	192.3	193.2	204.9	- .4	- 6.1
Construction and related machinery	24.1	23.9	25.5	1.0	- 5.4
Metalworking machinery	51.6	51.9	55.7	- .7	- 7.5
Special industry machinery	20.3	20.5	22.0	- .6	- 7.4
General industrial machinery	36.9	37.3	39.2	- 1.0	- 5.9
Electric and electronic equipment	97.4	97.9	101.9	- .6	- 4.4
Electrical industrial apparatus	22.6	22.7	24.0	- .2	- 5.7
Household appliances	15.7	16.0	17.9	- 2.1	- 12.1
Electric lighting and wiring equipment	19.5	19.4	19.6	.0	- .7
Communication equipment	11.8	11.8	12.0	.1	- 1.8
Transportation equipment	121.1	129.8	133.8	- 6.7	- 9.5
Motor vehicles and equipment	76.0	84.9	85.6	- 10.5	- 11.2
Aircraft and parts	36.2	36.0	37.9	.7	- 4.5
Instruments and related products	20.4	20.7	21.1	- 1.4	- 3.1
Measuring and controlling devices	12.2	12.4	13.0	- 1.6	- 6.3
Nondurable Goods[f]	360.0	362.3	371.9	- .6	- 3.2
Food and kindred products	68.3	68.3	69.5	.0	- 1.7
Meat products	11.1	11.0	11.7	1.2	- 4.8
Dairy products	11.2	11.3	11.5	- .5	- 2.5
Bakery products	11.1	11.2	12.0	- .6	- 7.5
Beverages	10.5	10.7	10.6	- 1.9	- 1.3
Textile mill products	4.5	4.5	4.8	.1	- 6.6
Apparel and other textile products	16.9	17.0	16.8	- .3	.8
Paper and allied products	36.3	36.7	38.1	- 1.1	- 4.7
Paper mills, except building paper	9.2	9.4	9.7	- 1.3	- 5.2
Misc. converted paper products	11.8	11.8	11.7	.0	.2
Paperboard containers and boxes	12.0	12.2	13.1	- 1.6	- 8.3
Printing and publishing	65.9	65.6	66.5	.4	- .9
Newspapers	19.5	19.5	19.6	- .1	- .5
Commercial printing	24.8	24.6	25.4	.8	- 2.7
Chemicals and allied products	67.2	67.4	67.6	- .3	- .6
Industrial inorganic chemicals	12.9	13.0	12.9	- .5	.3
Plastics materials and synthetics	9.6	9.6	9.7	- .6	- 1.5
Petroleum and coal products	13.4	13.4	14.0	.2	- 4.1
Rubber and misc. plastics products	82.3	84.0	89.0	- 2.0	- 7.5
Tires and inner tubes	23.0	23.4	25.2	- 1.6	- 8.8
Miscellaneous plastics products	39.7	41.2	43.6	- 3.7	- 9.1
Leather and leather products	5.0	5.3	5.4	- 5.0	- 7.5

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$396.37	$387.50	$374.33	40.2	39.3	40.6	$ 9.86	$ 9.86	$ 9.22
Durable Goods[d]	406.21	395.69	386.24	40.1	39.1	40.7	10.13	10.12	9.49
Lumber and wood products	278.91	264.65	246.52	38.9	37.7	38.7	7.17	7.02	6.37
Furniture and fixtures	289.73	277.06	270.78	39.1	36.6	39.3	7.41	7.57	6.89
Household furniture	257.66	229.16	240.63	38.4	33.8	39.0	6.71	6.78	6.17
Stone, clay, and glass products	361.89	354.09	330.86	40.3	39.3	40.3	8.98	9.01	8.21
Glass and glassware, pressed or blown.	366.91	361.37	349.80	38.5	38.2	40.3	9.53	9.46	8.68
Structural clay products	281.26	267.70	257.15	41.0	39.6	39.5	6.86	6.76	6.51
Pottery and related products	289.94	276.24	268.88	38.2	35.1	38.8	7.59	7.87	6.93
Primary metal industries	480.39	465.17	468.54	39.8	38.7	41.1	12.07	12.02	11.40
Blast furnace and basic steel products	519.95	514.44	520.40	39.6	39.3	41.4	13.13	13.09	12.57
Iron and steel foundries	440.70	402.13	407.63	40.1	37.2	40.2	10.99	10.81	10.14
Nonferrous rolling and drawing	465.60	443.50	450.32	38.8	37.3	40.1	12.00	11.89	11.23
Nonferrous foundries	349.40	327.92	332.52	41.3	39.7	40.9	8.46	8.26	8.13
Fabricated metal products	390.65	369.95	379.22	39.7	38.1	40.3	9.84	9.71	9.41
Cutlery, hand tools, and hardware	399.80	382.62	383.90	39.9	38.3	38.7	10.02	9.99	9.92
Plumbing and heating, except electric.	319.66	333.03	318.27	37.3	38.5	39.1	8.57	8.65	8.14
Fabricated structural metal products .	362.40	343.93	332.42	40.0	38.3	39.2	9.06	8.98	8.48
Screw machine products, bolts, etc. ..	339.49	325.50	341.09	39.8	37.5	39.8	8.53	8.68	8.57
Metal forgings and stampings	455.96	419.25	467.87	39.7	37.5	41.7	11.47	11.18	11.22
Machinery, except electrical	395.04	385.66	378.14	40.6	39.8	41.6	9.73	9.69	9.09
Construction and related machinery ...	425.70	403.10	373.51	41.9	40.8	41.0	10.16	9.88	9.11
Metalworking machinery	381.00	374.23	387.11	39.4	38.7	42.4	9.67	9.67	9.13
Special industry machinery	376.68	377.10	352.21	41.9	41.9	42.9	8.99	9.00	8.21
General industrial machinery	393.38	380.60	355.55	40.1	39.4	38.9	9.81	9.66	9.14
Electric and electronic equipment	363.60	353.70	340.17	40.0	39.3	40.4	9.09	9.00	8.42
Electrical industrial apparatus	353.02	347.99	354.06	39.4	39.1	42.2	8.96	8.90	8.39
Household appliances	360.99	358.51	338.37	38.9	38.8	39.3	9.28	9.24	8.61
Electric lighting and wiring equipment	361.74	340.85	316.01	41.2	40.1	39.8	8.78	8.50	7.94
Communication equipment	401.80	400.60	369.87	40.1	40.1	39.9	10.02	9.99	9.27
Transportation equipment	475.73	464.07	437.38	40.8	39.8	40.8	11.66	11.66	10.72
Motor vehicles and equipment	493.70	478.74	456.25	40.6	39.5	40.7	12.16	12.12	11.21
Aircraft and parts	441.00	429.55	400.41	41.1	40.6	40.9	10.73	10.58	9.79
Instruments and related products	279.50	281.91	250.65	39.2	39.1	38.8	7.13	7.21	6.46
Measuring and controlling devices	281.00	287.17	250.39	39.3	39.5	38.7	7.15	7.27	6.47
Nondurable Goods[e]	372.08	366.83	343.36	40.4	39.7	40.3	9.21	9.24	8.52
Food and kindred products	375.46	367.54	351.51	40.9	40.3	41.5	9.18	9.12	8.47
Meat products	428.58	434.28	403.54	42.1	42.0	42.3	10.18	10.34	9.54
Dairy products	365.08	371.47	339.47	42.9	43.6	43.3	8.51	8.52	7.84
Bakery products	359.83	359.44	341.85	38.9	38.9	40.6	9.25	9.24	8.42
Beverages	322.39	315.01	304.40	37.4	36.8	40.0	8.62	8.56	7.61
Textile mill products	257.67	249.75	244.61	39.1	37.5	38.4	6.59	6.66	6.37
Apparel and other textile products	215.22	203.10	199.84	37.3	35.2	36.6	5.77	5.77	5.46
Paper and allied products	375.20	377.32	349.75	42.3	42.3	42.6	8.87	8.92	8.21
Paper mills, except building paper ...	476.67	479.32	449.35	46.1	46.0	47.5	10.34	10.42	9.46
Misc. converted paper products	334.15	332.51	302.40	40.8	40.6	40.7	8.19	8.19	7.43
Paperboard containers and boxes	328.40	337.77	310.31	40.0	40.5	40.3	8.21	8.34	7.70
Printing and publishing	366.91	360.43	324.63	38.5	37.9	37.1	9.53	9.51	8.75
Newspapers	318.21	324.06	301.64	31.6	32.8	32.4	10.07	9.88	9.31
Commercial printing	394.30	379.66	333.64	40.4	39.1	38.0	9.76	9.71	8.78
Chemicals and allied products	402.70	403.10	373.50	40.8	40.8	41.5	9.87	9.88	9.00
Industrial inorganic chemicals	420.24	422.50	410.06	40.8	40.9	41.8	10.30	10.33	9.81
Plastics materials and synthetics	442.80	434.60	400.06	43.2	42.4	42.2	10.25	10.25	9.48
Petroleum and coal products	562.90	589.75	506.52	43.2	45.4	42.0	13.03	12.99	12.06
Rubber and misc. plastics products	378.51	369.03	355.37	40.7	39.3	40.8	9.30	9.39	8.71
Tires and inner tubes	533.23	521.66	478.76	43.6	42.9	42.9	12.23	12.16	11.16
Miscellaneous plastics products	341.52	335.53	340.09	39.3	37.7	40.2	8.69	8.90	8.46
Leather and leather products	182.47	165.44	173.28	35.5	32.0	36.1	5.14	5.17	4.80

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
FEBRUARY 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
NONMANUFACTURING	3024.7	3023.2	3025.5	.1	.0
MINING	31.7	31.8	30.4	- .3	4.3
Bituminous coal and lignite mining	14.3	14.4	14.6	- .6	- 2.3
CONSTRUCTION	122.5	126.5	131.7	- 3.2	- 7.0
General building contractors	29.5	31.1	32.7	- 5.1	- 9.8
Heavy construction contractors	17.3	17.1	17.0	1.3	1.9
TRANSPORTATION AND PUBLIC UTILITIES	212.8	213.4	213.6	- .3	- .4
Railroad transportation	24.3	24.9	26.2	- 2.1	- 7.2
Transportation, except railroads	92.2	92.2	92.6	.0	- .3
Trucking and warehousing	70.2	69.4	70.6	1.1	- .6
Communication, electric, gas services	96.2	96.3	94.8	- .1	1.5
Communication	55.3	55.3	54.5	- .1	1.5
Electric, gas, and sanitary services	40.9	41.0	40.3	- .3	1.4
WHOLESALE TRADE	227.6	228.4	227.9	- .4	- .1
Wholesale trade-durable goods	147.3	147.7	147.6	- .3	- .2
Motor vehicles & automotive equipment	20.4	20.4	21.0	- .2	- 2.8
Electrical goods	19.3	19.4	19.2	- .4	.5
Machinery, equipment, and supplies	62.3	62.3	62.1	.1	.4
Wholesale trade-nondurable goods	80.3	80.7	80.2	- .5	.0
Groceries and related products	23.7	23.9	23.6	- .8	.7
RETAIL TRADE	681.9	692.5	689.1	- 1.5	- 1.1
General merchandise stores	110.6	117.4	115.8	- 5.8	- 4.5
Department stores	101.0	107.5	105.6	- 6.0	- 4.4
Food stores	114.9	116.1	115.3	- 1.0	- .3
Automotive dealers & service stations	69.8	70.2	73.1	- .6	- 4.6
Apparel and accessory stores	3 .7	34.6	34.2	- 2.6	- 1.3
FINANCE, INSURANCE, AND REAL ESTATE	204.5	204.5	202.8	.0	.8
Banking	59.0	59.1	58.9	- .2	.2
Credit agencies other than banks	30.7	30.7	31.0	- .1	- .8
Insurance carriers	59.1	58.9	58.3	.3	1.4
SERVICES	858.2	849.7	831.3	1.0	3.2
Hotels and other lodging places	30.0	29.8	29.0	.7	3.4
Laundry, cleaning, & garment services	16.9	17.0	17.2	- .4	- 1.3
Business services	127.4	126.2	122.0	1.0	4.4
Health services	305.3	304.2	288.7	.4	5.7
Hospitals	169.5	168.8	161.2	.4	5.2
GOVERNMENT	685.6	676.4	698.6	1.4	- 1.9
Federal government	88.7	88.5	89.6	.1	- 1.0
State government	147.2	141.1	147.4	4.3	- .1
State government, except education	72.0	72.0	71.7	.0	.4
State government education[i]	75.2	69.1	75.7	8.9	- .6
Local government	449.7	446.7	461.6	.7	- 2.6
Local government, except education	184.4	184.2	191.4	.1	- 3.7
Local government education	265.3	262.5	270.3	1.1	- 1.8

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
FEBRUARY 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$447.34	$446.03	$429.23	43.9	43.6	43.4	$10.19	$10.23	$ 9.89
Bituminous coal and lignite mining	533.75	537.11	496.00	42.7	42.9	43.7	12.50	12.52	11.35
CONSTRUCTION	541.29	494.90	477.20	38.2	35.0	36.4	14.17	14.14	13.11
General building contractors	460.46	418.56	420.37	36.2	32.7	34.4	12.72	12.80	12.22
Heavy construction contractors	626.45	519.68	489.06	43.9	38.1	38.6	14.27	13.64	12.67
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	461.77	435.37	432.42	38.1	36.1	38.2	12.12	12.06	11.32
Communication, electric, gas services	418.77	423.10	382.05	40.5	40.8	40.6	10.34	10.37	9.41
Communication	408.91	408.91	374.00	39.7	39.7	40.0	10.30	10.30	9.35
Electric, gas, and sanitary services	431.60	441.41	392.47	41.5	42.2	41.4	10.40	10.46	9.48
WHOLESALE TRADE	304.57	301.44	284.83	38.7	38.4	38.7	7.87	7.85	7.36
Wholesale trade-durable goods	298.76	294.91	282.69	38.7	38.3	39.1	7.72	7.70	7.23
Motor vehicles & automotive equipment.	252.59	247.09[i]	272.45	37.7	37.1[i]	38.7	6.70	6.66[i]	7.04
Electrical goods	253.27	251.08	235.62	37.3	36.6	37.4	6.79	6.86	6.30
Machinery, equipment, and supplies	325.84	320.54	294.00	39.4	38.9	39.2	8.27	8.24	7.50
Wholesale trade-nondurable goods	316.18	312.19	288.04	38.7	38.4	37.9	8.17	8.13	7.60
Groceries and related products	349.73	343.36	322.36	41.0	40.3	40.6	8.53	8.52	7.94
RETAIL TRADE[f]	147.40	146.92	145.15	28.4	28.2	28.8	5.19	5.21	5.04
General merchandise stores	146.83	149.87	142.56	28.4	29.1	28.8	5.17	5.15	4.95
Department stores	148.82	151.90	144.00	28.4	29.1	28.8	5.24	5.22	5.00
Food stores	213.67	215.06[i]	225.27	30.7	30.9[i]	32.6	6.96	6.96[i]	6.91
Automotive dealers & service stations	193.04	195.08	196.13	36.7	37.3	37.5	5.26	5.23	5.23
Apparel and accessory stores	111.14	107.38	103.62	26.4	26.0	26.3	4.21	4.13	3.94
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	194.57	193.79	181.10	....	....	....	....	....	....
Credit agencies other than banks	197.39	198.66	188.55	....	....	....	....	....	....
Insurance carriers	266.58	263.26	243.34	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	252.67	250.66	228.15	33.6	33.6	33.9	7.52	7.46	6.73
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period. [i] Not comparable with previous figures due to change in sample composition.

Division of Research and Statistics
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	252.5	252.2	254.6	.2	- .8
MANUFACTURING	72.7	73.0	75.8	- .4	- 4.1
Durable Goods[e]	36.3	36.0	37.1	1.0	- 2.1
Stone, clay, and glass products	1.8	1.6	1.8	8.2	- 4.6
Fabricated metal products	13.4	13.4	14.1	.1	- 5.1
Machinery, except electrical	10.4	10.1	10.7	2.3	- 2.9
Special industry machinery	2.0	2.0	2.2	- 3.1	- 9.9
Nondurable Goods[f]	36.3	37.0	38.6	- 1.8	- 6.0
Food and kindred products	2.9	2.9	3.0	1.8	- 2.8
Chemicals and allied products	3.7	3.8	3.6	- 3.3	1.6
Rubber and misc. plastics products	24.6	25.1	26.9	- 2.0	- 8.6
Tires and inner tubes	18.9	19.3	21.1	- 2.0	- 10.4
NONMANUFACTURING[g]	179.9	179.2	178.8	.4	.6
CONSTRUCTION	5.7	6.0	5.9	- 4.2	- 2.7
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.5	13.7	.4	- 1.3
Communication, electric, gas services	5.5	5.5	5.4	- .1	2.1
WHOLESALE TRADE	12.1	12.1	12.0	- .1	1.0
RETAIL TRADE	43.6	44.4	43.2	- 1.8	.9
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.1	9.1	.1	- .1
SERVICES	51.5	51.3	49.9	.4	3.1
GOVERNMENT	43.7	42.2	44.4	3.6	- 1.6
State government (includes education)	14.0	12.5	14.0	12.6	.5
Local government (includes education)	27.5	27.6	28.4	- .2	- 3.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.63	$395.04	$382.63	41.5	40.6	41.5	$ 9.75	$ 9.73	$ 9.22
Durable Goods[d]	398.11	377.45	368.26	41.6	39.9	41.1	9.57	9.46	8.96
Stone, clay, and glass products	383.78	343.27	343.62	41.4	38.7	41.6	9.27	8.87	8.26
Fabricated metal products	400.25	360.75	375.54	40.8	37.5	39.2	9.81	9.62	9.58
Machinery, except electrical	394.74	389.23	374.98	42.4	42.4	43.4	9.31	9.18	8.64
Special industry machinery	353.87	352.60	329.23	41.1	41.0	41.0	8.61	8.60	8.03
Nondurable Goods[e]	414.00	417.49	399.00	41.4	41.5	42.0	10.00	10.06	9.50
Food and kindred products	402.99	421.92	381.65	43.1	44.6	44.9	9.35	9.46	8.50
Chemicals and allied products	385.12	395.52	394.42	40.2	40.4	43.2	9.58	9.79	9.13
Rubber and misc. plastics products	441.21	438.48	417.50	42.1	42.0	42.3	10.48	10.44	9.87
Tires and inner tubes	560.26	551.82	488.48	44.5	43.9	43.0	12.59	12.57	11.36
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	500.94	475.02	486.17	36.3	34.8	37.6	13.80	13.65	12.93
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	417.91	432.19	380.57	40.3	41.2	40.4	10.37	10.49	9.42
WHOLESALE TRADE	282.41	279.74	269.12	38.9	37.6	38.5	7.26	7.44	6.99
RETAIL TRADE[f]	163.81	163.27	162.76	29.2	29.0	29.7	5.61	5.63	5.48
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	152.6	152.9	154.3	- .2	- 1.1
MANUFACTURING	52.8	52.7	54.8	.2	- 3.6
Durable Goods[e]	41.2	41.1	42.9	.2	- 4.0
Stone, clay, and glass products	2.1	2.1	2.0	- 2.7	1.4
Primary metal industries	13.3	13.1	14.2	1.5	- 6.1
Fabricated metal products	9.3	9.0	10.1	3.5	- 8.2
Fabricated structural metal products	3.3	3.4	3.5	- 1.5	- 5.9
Metal forgings and stampings	2.4	2.1	3.1	17.5	- 20.6
Nondurable Goods[f]	11.6	11.6	11.9	.0	- 2.3
Food and kindred products	4.2	4.2	4.2	- 1.0	- .5
Rubber and misc. plastics products	2.8	2.8	3.0	1.0	- 5.5
NONMANUFACTURING[g]	99.8	100.2	99.5	- .4	.3
CONSTRUCTION	4.0	4.3	4.1	- 7.2	- 2.2
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.0	.2	.0
Communication, electric, gas services	3.1	3.1	3.0	- .4	1.9
WHOLESALE TRADE	7.2	7.3	7.2	- 1.0	.0
RETAIL TRADE	24.9	25.4	24.7	- 1.8	.9
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.3	- .1	.2
SERVICES	29.8	29.6	29.4	.9	1.6
GOVERNMENT	19.1	19.0	19.5	.9	- 1.9
Local government (includes education)	16.0	15.8	16.3	1.1	- 1.6

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$395.36	$380.09	$382.00	39.3	38.2	40.0	$10.06	$ 9.95	$ 9.55
Durable Goods[d]	401.31	380.89	390.40	39.0	37.6	40.0	10.29	10.13	9.76
Stone, clay, and glass products	274.32	268.71	240.98	41.5	40.9	40.5	6.61	6.57	5.95
Primary metal industries	448.22	412.95	475.20	36.8	34.1	40.0	12.18	12.11	11.88
Fabricated metal products	404.54	382.40	400.66	39.2	39.1	40.8	10.32	9.78	9.82
Fabricated structural metal products .	386.56	400.03	356.89	40.1	41.8	40.1	9.64	9.57	8.90
Metal forgings and stampings	489.24	425.46	491.84	40.5	39.8	42.4	12.08	10.69	11.60
Nondurable Goods[e]	373.32	374.33	344.34	40.8	40.6	39.9	9.15	9.22	8.63
Food and kindred products	441.83	428.93	408.04	41.1	39.9	41.3	10.75	10.75	9.88
Rubber and misc. plastics products	376.66	374.26	340.32	45.6	45.2	42.7	8.26	3.28	7.97
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	484.81	457.44	457.21	35.7	33.1	36.2	13.58	13.82	12.63
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	434.29	431.17	388.40	41.4	41.3	41.1	10.49	10.44	9.45
WHOLESALE TRADE	286.15	284.62	273.22	37.9	38.0	39.2	7.55	7.49	6.97
RETAIL TRADE[f]	143.20	142.92	138.14	28.3	28.3	28.6	5.06	5.05	4.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	575.8	576.7	586.1	- .1	- 1.8
MANUFACTURING	149.5	151.9	158.1	- 1.6	- 5.4
Durable Goods[e]	82.0	83.7	87.8	- 2.0	- 6.5
Furniture and fixtures	2.3	2.4	2.6	- 3.1	- 9.1
Primary metal industries	2.5	2.5	2.2	- .8	13.2
Fabricated metal products	13.3	13.3	14.6	- .6	- 9.2
Fabricated structural metal products	4.4	4.4	4.9	- 1.4	- 10.9
Machinery, except electrical	24.8	25.2	25.1	- 1.5	- 1.0
Metalworking machinery	13.1	13.2	13.1	- .9	.1
General industrial machinery	3.5	3.7	3.7	- 6.5	- 6.0
Electric and electronic equipment	8.3	8.4	8.4	- 1.5	- 2.0
Transportation equipment	20.1	21.4	25.1	- 6.2	- 20.0
Motor vehicles and equipment	5.5	6.7	8.7	- 17.7	- 36.7
Nondurable Goods[f]	67.5	68.2	70.3	- 1.0	- 4.0
Food and kindred products	16.0	16.3	16.9	- 1.6	- 5.3
Meat products	2.2	2.3	2.5	- .2	- 10.9
Bakery products	2.4	2.5	2.8	- 2.3	- 15.2
Beverages	4.7	4.8	4.9	- 3.5	- 5.0
Apparel and other textile products	3.8	3.9	3.7	- 1.9	4.6
Paper and allied products	6.1	6.2	6.5	- 1.7	- 5.4
Printing and publishing	11.8	11.8	12.2	.1	- 3.0
Chemicals and allied products	22.1	22.0	22.2	.2	- .5
Rubber and misc. plastics products	4.0	4.0	4.4	- 2.2	- 9.8
NONMANUFACTURING[g]	426.3	424.8	428.1	.4	- .4
CONSTRUCTION	19.1	19.0	20.2	.3	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	32.8	32.8	32.8	.2	.0
Communication, electric, gas services	14.3	14.3	14.1	- .5	.8
WHOLESALE TRADE	37.6	37.7	38.1	- .3	- 1.3
RETAIL TRADE	97.5	98.8	98.4	- 1.3	- .9
FINANCE, INSURANCE, AND REAL ESTATE	31.8	31.9	32.2	- .1	- 1.0
Banking	7.4	7.4	7.4	- .5	- .3
Insurance carriers	11.3	11.3	11.2	.1	1.3
SERVICES	121.8	120.8	119.6	.8	1.8
GOVERNMENT	85.5	83.5	86.5	2.3	- 1.2
Federal government	13.8	12.8	14.0	8.1	- 1.2
State government (includes education)	18.9	18.4	19.0	2.9	- .6
Local government	52.8	52.4	53.5	.7	- 1.4
Local government, except education	21.4	21.6	22.4	- .7	- 4.2
Local government education	31.3	30.8	31.1	1.7	.6

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$369.60	$368.55	$350.55	40.0	39.8	41.0	$ 9.24	$ 9.26	$ 8.55
Durable Goods[d]	350.76	349.27	343.19	39.5	39.2	41.1	8.88	8.91	8.35
Furniture and fixtures	249.57	250.28	242.90	35.2	35.4	37.6	7.09	7.07	6.46
Primary metal industries	394.39	362.95	357.69	39.4	35.9	40.1	10.01	10.11	8.92
Fabricated metal products	343.27	338.83	331.28	38.7	38.2	40.4	8.87	8.87	8.20
Fabricated structural metal products	303.38	299.53	286.88	39.4	38.9	39.9	7.70	7.70	7.19
Machinery, except electrical	330.03	327.55	329.33	38.6	38.4	41.9	8.55	8.53	7.86
Metalworking machinery	349.30	347.45	375.32	37.6	37.4	44.0	9.29	9.29	8.53
General industrial machinery	326.54	321.95	272.65	39.2	38.1	37.4	8.33	8.45	7.29
Electric and electronic equipment	279.17	272.42	262.25	38.4	38.1	39.2	7.27	7.15	6.69
Transportation equipment	478.92	471.03	449.43	41.9	41.5	42.2	11.43	11.35	10.65
Motor vehicles and equipment	559.76	554.27	513.34	42.6	43.1	43.8	13.14	12.86	11.72
Nondurable Goods[e]	391.94	388.65	359.98	40.7	40.4	41.0	9.63	9.62	8.78
Food and kindred products	430.11	434.84	392.76	40.5	41.1	40.7	10.62	10.58	9.65
Meat products	446.42	494.86	450.71	40.4	43.6	42.6	11.05	11.35	10.58
Bakery products	370.26	371.47	357.76	39.6	39.9	41.6	9.35	9.31	8.60
Beverages	384.80	383.60	333.21	40.0	40.0	38.7	9.62	9.59	8.61
Apparel and other textile products	218.36	204.14	212.95	37.2	34.6	38.3	5.87	5.90	5.56
Paper and allied products	342.08	327.06	307.84	42.6	41.4	41.1	8.03	7.90	7.49
Printing and publishing	379.03	373.07	335.02	39.4	38.7	37.6	9.62	9.64	8.91
Chemicals and allied products	442.88	444.36	420.65	41.9	42.0	43.5	10.57	10.58	9.67
Rubber and misc. plastics products	312.07	296.46	323.04	40.9	39.9	42.9	7.63	7.43	7.53
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	610.46	529.50	500.20	42.6	37.5	38.3	14.33	14.12	13.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	377.91	386.91	342.60	38.8	39.4	38.8	9.74	9.82	8.83
WHOLESALE TRADE	302.23	302.61	285.22	38.5	38.5	38.7	7.85	7.86	7.37
RETAIL TRADE[f]	151.55	150.07	143.55	29.6	29.6	29.0	5.12	5.07	4.95
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	196.40	194.55	182.19	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	854.6	856.1	867.1	- .2	- 1.4
MANUFACTURING	237.3	238.0	247.1	- .3	- 4.0
Durable Goods[e]	170.6	171.5	180.7	- .5	- 5.6
Furniture and fixtures	2.2	2.2	2.4	- 2.4	- 7.2
Primary metal industries	27.7	27.9	29.2	- .7	- 5.3
Blast furnace and basic steel products	14.5	14.3	15.5	.9	- 6.7
Iron and steel foundries	6.5	6.8	6.7	- 5.5	- 3.2
Nonferrous foundries	3.0	3.0	2.9	.8	5.5
Fabricated metal products	36.8	36.9	37.8	- .3	- 2.5
Fabricated structural metal products .	4.3	4.4	4.3	- 2.8	- .9
Screw machine products, bolts, etc. ..	5.8	5.8	5.9	- .1	- .5
Metal forgings and stampings	12.4	12.5	12.6	- .4	- 1.5
Machinery, except electrical	42.8	43.0	46.5	- .5	- 8.0
Construction and related machinery ...	7.1	7.0	8.0	2.6	- 11.2
Metalworking machinery	15.2	15.3	17.0	- .6	- 10.7
Special industry machinery	4.5	4.4	4.7	1.5	- 5.1
General industrial machinery	3.6	3.6	3.9	- 1.7	- 7.7
Electric and electronic equipment	25.0	25.1	24.3	- .4	2.9
Electrical industrial apparatus	8.7	8.7	9.1	- .1	- 4.8
Transportation equipment	20.9	21.1	24.8	- 1.2	- 15.7
Motor vehicles and equipment	13.7	13.9	17.0	- 1.6	- 19.4
Instruments and related products	6.5	6.5	6.6	- .1	- 1.9
Nondurable Goods[f]	66.7	66.5	66.4	.3	.4
Food and kindred products	8.3	8.3	8.3	.1	- .8
Bakery products	1.9	1.8	1.8	.8	.2
Beverages	1.5	1.5	1.6	- 1.2	- 1.8
Apparel and other textile products	5.4	5.3	5.6	1.2	- 4.1
Paper and allied products	5.0	5.0	5.1	- .3	- 2.7
Printing and publishing	15.6	15.6	15.0	- .1	3.8
Chemicals and allied products	15.7	15.8	16.0	- .4	- 1.7
Industrial inorganic chemicals	4.1	4.1	4.2	- .1	- 1.3
Rubber and misc. plastics products	10.6	10.4	10.6	2.1	.1
NONMANUFACTURING[g]	617.3	618.0	620.0	- .1	- .4
CONSTRUCTION	23.4	23.8	23.8	- 1.6	- 1.9
TRANSPORTATION AND PUBLIC UTILITIES	43.4	44.1	43.2	- 1.6	.3
Communication, electric, gas services ..	20.1	20.1	19.4	- .1	3.6
WHOLESALE TRADE	60.8	61.0	62.1	- .4	- 2.1
RETAIL TRADE	131.0	133.3	133.5	- 1.7	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	47.5	47.6	47.5	- .2	.0
Banking	13.4	13.4	13.7	.1	- 2.0
Insurance carriers	11.9	11.9	11.8	- .3	.8
SERVICES	192.3	190.2	187.3	1.1	2.7
GOVERNMENT	117.7	116.8	121.2	.8	- 2.9
Federal government	19.5	19.5	20.1	.0	- 3.1
State government (includes education) ..	7.9	7.7	8.2	2.7	- 2.9
Local government	90.3	89.6	92.9	.8	- 2.8
Local government, except education ...	45.6	45.5	44.6	.2	2.1
Local government education	44.7	44.1	48.3	1.4	- 7.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.16	$381.02	$381.19	40.3	38.8	40.9	$ 9.88	$ 9.82	$ 9.32
Durable Goods[d]	415.31	397.17	399.37	40.4	38.9	41.3	10.28	10.21	9.67
Furniture and fixtures	312.08	270.61	302.09	41.5	35.7	44.1	7.52	7.58	6.85
Primary metal industries	472.82	449.06	473.03	39.5	37.8	42.5	11.97	11.88	11.13
Blast furnace and basic steel products	501.40	489.18	534.67	38.1	37.2	42.3	13.16	13.15	12.64
Iron and steel foundries	538.90	487.18	468.03	41.2	38.3	41.2	13.08	12.72	11.36
Nonferrous foundries	330.83	295.94	318.00	40.1	36.9	39.8	8.25	8.02	7.99
Fabricated metal products	402.19	374.30	373.70	40.3	38.0	40.4	9.98	9.85	9.25
Fabricated structural metal products	360.81	320.15	319.59	42.2	38.9	39.8	8.55	8.23	8.03
Screw machine products, bolts, etc.	349.44	337.65	348.30	39.8	37.6	40.5	8.78	8.98	8.60
Metal forgings and stampings	483.61	445.99	458.14	40.1	37.7	41.2	12.06	11.83	11.12
Machinery, except electrical	420.04	399.78	406.14	41.1	39.7	42.0	10.22	10.07	9.67
Construction and related machinery	506.20	448.88	416.87	43.6	39.9	40.2	11.61	11.25	10.37
Metalworking machinery	389.06	382.98	400.35	39.7	39.0	42.5	9.80	9.82	9.42
Special industry machinery	419.74	416.12	376.51	41.6	41.2	39.8	10.09	10.10	9.46
General industrial machinery	405.14	389.47	381.71	40.8	39.5	41.9	9.93	9.86	9.11
Electric and electronic equipment	353.63	345.23	351.96	40.6	39.5	42.1	8.71	8.74	8.36
Electrical industrial apparatus	352.26	357.76	393.27	38.0	38.1	43.6	9.27	9.39	9.02
Transportation equipment	481.89	470.05	444.31	40.7	39.7	40.1	11.84	11.84	11.08
Motor vehicles and equipment	496.09	468.71	448.48	40.3	38.2	39.1	12.31	12.27	11.47
Instruments and related products	319.66	319.71	282.57	41.3	41.2	39.3	7.74	7.76	7.19
Nondurable Goods[e]	343.01	334.76	320.76	39.7	38.7	39.6	8.64	8.65	8.10
Food and kindred products	337.43	336.54	337.83	39.1	39.5	40.9	8.63	8.52	8.26
Bakery products	388.93	365.36	358.03	41.2	39.8	41.2	9.44	9.18	8.69
Beverages	314.57	289.91	282.09	40.8	38.5	39.9	7.71	7.53	7.07
Apparel and other textile products	247.76	243.29	228.44	38.0	37.2	38.2	6.52	6.54	5.98
Paper and allied products	357.16	362.61	316.76	41.1	41.3	40.3	8.69	8.78	7.86
Printing and publishing	373.00	362.63	348.23	38.1	37.5	38.1	9.79	9.67	9.14
Chemicals and allied products	393.60	390.26	385.22	40.0	39.5	41.6	9.84	9.88	9.26
Industrial inorganic chemicals	371.26	372.25	408.18	37.2	37.3	40.9	9.98	9.98	9.98
Rubber and misc. plastics products	325.94	287.63	273.64	43.0	38.3	40.3	7.58	7.51	6.79
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	602.93	525.25	524.90	38.6	33.8	36.3	15.62	15.54	14.46
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.47	458.14	414.33	40.6	41.2	40.7	11.12	11.12	10.18
WHOLESALE TRADE	330.33	322.87	303.80	39.0	38.3	38.7	8.47	8.43	7.85
RETAIL TRADE[f]	157.35	155.65	154.76	27.8	27.5	28.5	5.66	5.66	5.43
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	222.77	222.31	207.73	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	499.8	499.9	501.2	.0	- .3
MANUFACTURING	90.5	91.0	94.0	- .5	- 3.7
Durable Goods[e]	57.3	57.8	60.3	- 1.0	- 5.0
Stone, clay, and glass products	9.2	9.3	9.7	- 1.5	- 6.0
Fabricated metal products	10.0	10.2	11.6	- 1.4	- 13.9
Machinery, except electrical	11.5	11.6	11.6	- 1.3	- 1.4
Electric and electronic equipment	11.6	11.8	12.0	- 1.8	- 3.1
Transportation equipment	6.6	6.4	6.1	2.6	6.8
Nondurable Goods[f]	33.2	33.2	33.7	.3	- 1.3
Food and kindred products	10.6	10.6	10.4	.4	1.8
Printing and publishing	8.5	8.4	8.8	1.9	- 3.5
Chemicals and allied products	6.1	6.1	6.1	- .8	- .4
Rubber and misc. plastics products	2.9	2.9	3.0	- .1	- 3.8
NONMANUFACTURING[g]	409.2	408.9	407.2	.1	.5
CONSTRUCTION	14.2	14.7	15.4	- 3.0	- 7.6
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.6	23.9	.4	- .8
Communication, electric, gas services	11.5	11.5	11.2	.0	3.1
WHOLESALE TRADE	27.1	27.1	27.0	- .1	.3
RETAIL TRADE	90.3	92.0	89.5	- 1.8	1.0
FINANCE, INSURANCE, AND REAL ESTATE	40.4	40.2	38.6	.6	4.8
Banking	8.1	8.1	7.8	.2	4.2
Insurance carriers	17.6	17.4	16.9	.8	3.8
SERVICES	108.5	107.8	105.6	.7	2.8
GOVERNMENT	104.2	102.7	106.6	1.4	- 2.3
Federal government	11.4	11.4	11.5	.2	- .3
State government	49.9	48.7	49.9	2.4	- .1
State government, except education	29.5	29.4	29.0	.3	1.7
State government education[i]	20.4	19.3	20.9	5.6	- 2.5
Local government	42.9	42.6	45.2	.5	- 5.1
Local government, except education	17.3	17.1	19.4	1.3	- 10.7
Local government education	25.6	25.6	25.8	.0	- 1.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$358.09	$357.08	$331.93	39.7	39.5	39.8	$ 9.02	$ 9.04	$ 8.34
Durable Goods[d]	370.94	368.68	346.02	39.8	39.6	39.5	9.32	9.31	8.76
Stone, clay, and glass products	341.33	337.04	326.33	38.7	38.3	41.1	8.82	8.80	7.94
Fabricated metal products	413.01	410.78	403.39	39.0	38.9	37.7	10.59	10.56	10.70
Machinery, except electrical	366.45	364.21	348.20	41.5	41.2	41.7	8.83	8.84	8.35
Electric and electronic equipment	365.42	365.02	339.55	40.2	40.2	39.9	9.09	9.08	8.51
Transportation equipment	441.15	437.61	387.16	41.5	42.2	41.1	10.63	10.37	9.42
Nondurable Goods[e]	332.59	332.42	299.83	39.5	39.2	40.3	8.42	8.48	7.44
Food and kindred products	328.78	331.25	306.49	39.9	40.2	42.1	8.24	8.24	7.28
Printing and publishing	387.54	392.45	320.52	38.6	38.4	35.3	10.04	10.22	9.08
Chemicals and allied products	360.26	358.43	348.25	40.8	40.5	43.1	8.83	8.85	8.08
Rubber and misc. plastics products	293.14	296.46	296.42	39.4	39.9	43.4	7.44	7.43	6.83
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	450.12	440.37	402.08	36.3	35.6	35.9	12.40	12.37	11.20
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.89	440.78	402.98	40.6	40.7	40.5	10.81	10.83	9.95
WHOLESALE TRADE	290.30	289.89	281.85	38.4	38.6	39.2	7.56	7.51	7.19
RETAIL TRADE[f]	143.08	146.31	137.28	28.0	28.3	28.9	5.11	5.17	4.75
FINANCE, INSURANCE, AND REAL ESTATE	......	......[i]	......	....	....	....	....	....	....
Banking	215.48	212.90[i]	175.57	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period. [i] Not comparable with previous figures due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	345.8	349.0	349.3	- .9	- 1.0
MANUFACTURING	93.0	95.7	96.4	- 2.8	- 3.6
Durable Goods[e]	63.8	65.7	65.4	- 2.9	- 2.4
Stone, clay, and glass products	2.1	2.1	2.3	1.0	- 5.8
Fabricated metal products	7.0	7.0	7.1	.3	- 1.1
Machinery, except electrical	30.2	31.3	31.5	- 3.5	- 4.0
Metalworking machinery	6.7	6.9	7.4	- 2.9	- 9.1
Electric and electronic equipment	5.3	5.4	5.6	- 2.4	- 6.1
Electrical industrial apparatus	3.3	3.3	3.4	- .8	- 3.6
Transportation equipment	13.3	14.1	12.8	- 5.7	4.0
Nondurable Goods[f]	29.2	30.0	31.0	- 2.8	- 5.9
Food and kindred products	3.1	3.1	3.1	.0	.4
Paper and allied products	5.6	5.7	6.0	- 1.7	- 7.1
Printing and publishing	9.1	8.9	9.3	1.6	- 2.1
Rubber and misc. plastics products	7.7	8.7	9.1	- 11.1	- 14.8
NONMANUFACTURING[g]	252.8	253.3	252.9	- .2	- .1
CONSTRUCTION	8.9	9.3	10.8	- 4.4	- 18.0
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	13.0	- .6	.0
Communication, electric, gas services	6.5	6.5	6.6	- .3	- 1.9
WHOLESALE TRADE	16.5	16.5	16.3	- .6	.9
RETAIL TRADE	54.2	55.2	54.7	- 1.8	- .8
FINANCE, INSURANCE, AND REAL ESTATE	13.7	13.7	13.3	- .2	2.7
SERVICES	75.7	75.2	73.9	.7	2.5
GOVERNMENT	70.5	70.0	70.7	.8	- .2
Federal government	25.8	25.7	25.5	.1	1.2
State government (includes education)	6.8	6.5	6.0	4.8	13.4
Local government	38.0	37.7	39.2	.6	- 3.1
Local government, except education	12.9	12.9	14.0	.0	- 7.6
Local government education	25.1	24.8	25.2	1.0	- .7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$391.82	$391.84	$373.32	39.9	39.5	40.8	$ 9.82	$ 9.92	$ 9.15
Durable Goods[d]	391.78	393.81	373.98	40.1	39.9	41.6	9.77	9.87	8.99
Stone, clay, and glass products	366.62	423.91	325.17	40.2	40.8	38.3	9.12	10.39	8.49
Fabricated metal products	300.66	299.49	280.52	38.3	39.2	38.8	7.85	7.64	7.23
Machinery, except electrical	415.89	418.18	400.46	41.3	41.2	43.2	10.07	10.15	9.27
Metalworking machinery	409.92	402.82	430.49	42.0	41.4	45.7	9.76	9.73	9.42
Electric and electronic equipment	304.71	300.70	280.98	40.9	40.8	40.9	7.45	7.37	6.87
Electrical industrial apparatus	323.49	319.09	305.29	41.0	40.7	41.2	7.89	7.84	7.41
Transportation equipment	471.75	467.71	484.67	38.7	38.4	40.9	12.19	12.18	11.85
Nondurable Goods[e]	392.83	386.54	371.45	39.6	38.5	39.1	9.92	10.04	9.50
Food and kindred products	400.53	403.35	364.17	39.5	39.7	39.2	10.14	10.16	9.29
Paper and allied products	339.08	335.36	334.93	41.1	40.6	41.4	8.25	8.26	8.09
Printing and publishing	429.48	406.13	358.82	41.9	39.7	38.5	10.25	10.23	9.32
Rubber and misc. plastics products	447.06	435.18	452.02	37.1	35.7	38.9	12.05	12.19	11.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	504.44	478.19	485.87	38.1	35.9	38.5	13.24	13.32	12.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	425.97	443.81	388.33	40.3	41.4	40.2	10.57	10.72	9.66
WHOLESALE TRADE	293.30	286.88	266.74	40.4	39.9	40.6	7.26	7.19	6.57
RETAIL TRADE[f]	142.92	141.68	142.14	28.3	28.0	28.6	5.05	5.06	4.97
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	282.0	281.9	283.1	.0	- .4
MANUFACTURING	69.1	68.5	71.4	.8	- 3.3
Durable Goods[e]	53.4	53.0	54.7	.7	- 2.4
Stone, clay, and glass products	12.2	12.4	13.0	- 1.3	- 6.0
Primary metal industries	4.0	3.5	4.5	13.7	- 11.8
Fabricated metal products	6.8	6.5	7.5	4.8	- 8.7
Metal forgings and stampings	3.2	2.9	3.4	8.9	- 7.9
Machinery, except electrical	6.3	6.4	6.7	- 2.1	- 5.8
General industrial machinery	1.9	1.9	1.9	- 1.1	- 2.8
Transportation equipment	16.4	16.5	14.6	- .1	12.3
Motor vehicles and equipment	15.0	15.0	13.2	- .3	13.2
Nondurable Goods[f]	15.7	15.5	16.7	.8	- 6.3
Food and kindred products	4.2	4.0	4.0	4.0	4.4
Petroleum and coal products	1.6	1.6	1.9	- .2	- 13.7
Rubber and misc. plastics products	2.9	2.9	3.3	1.1	- 12.4
NONMANUFACTURING[g]	212.9	213.3	211.7	- .2	.6
CONSTRUCTION	9.0	9.5	9.8	- 5.2	- 8.3
TRANSPORTATION AND PUBLIC UTILITIES	18.8	18.7	18.6	.1	.6
Communication, electric, gas services	7.7	7.7	7.4	.1	4.6
WHOLESALE TRADE	14.3	14.3	14.4	- .4	- 1.2
RETAIL TRADE	49.4	50.1	49.4	- 1.5	- .1
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.5	10.6	.5	- .4
SERVICES	64.2	64.0	60.7	.4	5.8
GOVERNMENT	46.4	45.8	47.7	1.3	- 2.8
State government (includes education)	15.0	14.5	14.9	3.0	.4
Local government	28.6	28.5	30.1	.5	- 4.8
Local government, except education	10.8	10.9	11.8	- .4	- 8.1
Local government education	17.8	17.6	18.3	1.0	- 2.7

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$442.90	$420.03	$383.36	41.2	39.7	40.1	$10.75	$10.58	$ 9.56
Durable Goods[d]	454.40	433.32	392.62	40.9	39.5	39.9	11.11	10.97	9.84
Stone, clay, and glass products	458.58	450.05	427.17	42.5	42.1	43.5	10.79	10.69	9.82
Primary metal industries	410.18	420.51	380.69	42.2	41.8	41.2	9.72	10.06	9.24
Fabricated metal products	437.64	394.13	347.26	42.0	39.1	37.1	10.42	10.08	9.36
Metal forgings and stampings	507.17	438.65	371.26	43.2	39.2	37.2	11.74	11.19	9.98
Machinery, except electrical	435.42	408.98	381.90	41.0	39.9	40.2	10.62	10.25	9.50
General industrial muchinery	427.74	424.47	413.29	38.5	38.8	39.1	11.11	10.94	10.57
Transportation equipment	508.25	482.30	441.18	39.8	38.4	38.7	12.77	12.56	11.40
Motor vehicles and equipment	508.07	484.99	441.58	39.6	38.4	38.1	12.83	12.63	11.59
Nondurable Goods[e]	402.17	372.65	355.52	42.2	40.2	41.1	9.53	9.27	8.65
Food and kindred products	418.56	379.76	392.93	43.6	41.1	44.1	9.60	9.24	8.91
Petroleum and coal products	630.63	628.99	557.92	46.2	46.8	44.0	13.65	13.44	12.68
Rubber and misc. plastics products	345.70	304.34	294.40	41.5	37.9	40.0	8.33	8.03	7.36
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	605.22	552.47	526.35	38.5	35.1	36.3	15.72	15.74	14.50
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	455.10	440.08	402.52	41.0	40.3	40.7	11.10	10.92	9.89
WHOLESALE TRADE	328.95	324.02	289.16	38.7	38.3	37.7	8.50	8.46	7.67
RETAIL TRADE[f]	152.22	151.18	149.86	28.4	28.1	28.6	5.36	5.38	5.24
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1982[b]	January 1982[c]	February 1981[c]	January 1982	February 1981
TOTAL	185.3	191.8	194.2	- 3.4	- 4.6
MANUFACTURING	56.8	63.6	65.4	- 10.7	- 13.1
Durable Goods[e]	51.2	58.0	59.6	- 11.7	- 14.2
Stone, clay, and glass products	1.9	1.7	1.8	15.4	9.9
Primary metal industries	26.3	26.8	29.1	- 1.8	- 9.7
Blast furnace and basic steel products	14.4	14.7	15.1	- 1.8	- 4.1
Fabricated metal products	8.8	8.9	8.9	- 1.6	- 1.3
Fabricated structural metal products .	2.7	2.8	2.7	- .5	3.2
Machinery, except electrical	5.3	5.4	5.8	- 1.0	- 8.2
Metalworking machinery	2.4	2.4	2.7	- 1.4	- 11.9
Electric and electronic equipment	3.0	3.0	3.1	.0	- .4
Transportation equipment	4.0	10.3	9.0	- 61.4	- 55.8
Nondurable Goods[f]	5.6	5.6	5.7	- .3	- 2.3
NONMANUFACTURING[g]	128.6	128.2	128.8	.3	- .2
CONSTRUCTION	5.1	5.3	5.5	- 4.6	- 8.6
TRANSPORTATION AND PUBLIC UTILITIES	8.9	8.9	9.0	.3	- 1.2
Communication, electric, gas services ..	3.3	3.3	3.2	.1	1.3
WHOLESALE TRADE	7.6	7.7	7.8	- .8	- 2.0
RETAIL TRADE	34.6	34.9	34.6	- 1.1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.1	7.0	.5	2.8
SERVICES	38.6	38.3	38.0	.8	1.6
GOVERNMENT	25.8	25.2	26.2	2.6	- 1.4
Local government (includes education) ..	20.1	19.8	20.5	1.3	- 2.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
FEBRUARY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1982[b]	January 1982[c]	February 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]	Feb. 1982[b]	Jan. 1982[c]	Feb. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$459.42	$458.64	$464.54	39.3	39.1	40.5	$11.69	$11.73	$11.47
Durable Goods[d]	469.62	470.40	479.45	39.2	39.2	40.7	11.98	12.00	11.78
Stone, clay, and glass products	301.85	286.28	282.60	38.6	34.0	36.0	7.82	8.42	7.85
Primary metal industries	505.12	499.97	492.28	38.5	38.4	39.7	13.12	13.02	12.40
Blast furnace and basic steel products	534.89	544.56	529.64	39.1	40.1	40.4	13.68	13.58	13.11
Fabricated metal products	468.00	444.60	571.13	40.0	39.0	44.9	11.70	11.40	12.72
Fabricated structural metal products	335.01	329.51	362.90	36.1	35.7	38.2	9.28	9.23	9.50
Machinery, except electrical	451.84	424.82	430.95	39.6	37.2	39.0	11.41	11.42	11.05
Metalworking machinery	458.46	442.40	490.75	40.5	39.5	42.6	11.32	11.20	11.52
Electric and electronic equipment	364.81	363.78	328.78	40.4	40.6	39.9	9.03	8.96	8.24
Transportation equipment	501.35	519.40	518.92	41.4	42.4	43.1	12.11	12.25	12.04
Nondurable Goods[e]	340.23	326.31	288.03	39.7	38.8	38.2	8.57	8.41	7.54
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	525.16	493.45	522.12	37.7	35.5	38.0	13.93	13.90	13.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	415.67	419.93	409.19	40.2	40.3	43.3	10.34	10.42	9.45
WHOLESALE TRADE	333.04	320.26	311.98	39.6	38.4	40.1	8.41	8.34	7.78
RETAIL TRADE[f]	150.44	150.48	148.12	28.6	28.5	29.1	5.26	5.28	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
MARCH 1982

Unemployment in Ohio, estimated at 616,000 in March, represented 12.3 percent of the civilian labor force—up marginally from February. Total employment advanced .8 percent, to 4,398,000. Seasonal upturns in several nonmanufacturing industries boosted nonfarm payroll employment .6 percent, to 4,199,000.

Employment in Ohio's factories totaled 1,151,000 in March, up .2 percent from the previous month. Automotive industries accounted for nearly all of the increase, as motor vehicle manufacturers and producers of automotive castings recalled workers. Stepped-up orders were largely responsible for higher employment in the production of refrigeration machinery. Fewer orders, however, led to layoffs in commercial printing, and in the manufacture of construction machinery. Declines among producers of stone-clay-glass and petroleum and coal products were partially attributable to production slowdowns prior to plant closings.

Nonmanufacturing employment in Ohio rose .8 percent from February, to 3,048,000 in March. Operators of outdoor amusements and drive-ins reported seasonal hiring. Accounting and auditing services also increased seasonally, as tax-filing deadlines approached. Employment in the construction industries moved upward following winter lows recorded last month. Gains in state and local education lifted government, despite slight cutbacks in federal employment.

Average weekly earnings of Ohio's factory production workers rose $2 from February, to $398 in March. The average workweek--40.1 hours--was unchanged. More overtime boosted earnings in the production of automobiles and stamped-metal parts. Producers of industrial inorganic chemicals reported wage-rate increases. Shorter production schedules, however, lowered earnings among manufacturers of electrical industrial apparatus. Overtime curtailments were reported in the production of communication equipment, and in meat processing.

Between March 1981 and March 1982, unemployment in Ohio increased by more than 140,000, lifting the jobless rate from 9.3 to 12.3 percent. Total employment declined 3.7 percent as nonfarm payrolls slipped 2.1 percent. Manufacturing industries accounted for most of the decrease, with transportation equipment, nonelectrical machinery, primary and fabricated metals showing substantial job losses over the year. Nonmanufacturing dipped slightly as gains in services moderated cutbacks in government, construction, and retailing. Factory production workers earned $16 more per week in March 1982 than in March 1981, although their average workweek was .8 hours shorter.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm payroll employment in the Akron area increased 800 from February, to 253,200 in March. Seasonal expansion in nonmanufacturing, notably in retail trade and construction, was responsible for the growth. Manufacturing slipped 400, to 71,700 for the month. The average workweek of factory production workers gained .3 hours, to 41.9 hours in March. Their hourly earnings rose to $9.89, up 12¢ from February.

Canton.--Nonagricultural establishments in the Canton area employed 152,700 wage and salary workers in March, up 700 from February. The increase was seasonal, occurring in nonmanufacturing. Layoffs in primary metals largely accounted for the decline of 300 in manufacturing, to 51,800 in March. The workweek for the average factory production worker, at 39.0 hours, was down .3 hours. His average hourly earnings, at $10.01, were down 4¢ from February.

Cincinnati.--March nonfarm payroll employment in Cincinnati totaled 579,900, up 5,100 from February. Nonmanufacturing accounted for over two-thirds of the gain, primarily reflecting growth in seasonal industries. Manufacturing rose 1,500, to 151,100, as recalls in motor vehicles were partially offset by layoffs in other durable-goods industries. The average factory production workweek, at 40.2 hours, was up .4 hours. Average hourly earnings, at $9.38, were 14¢ higher than in February.

Cleveland.--Workers on nonfarm payrolls in Cleveland numbered 858,400 in March, up 3,500 from February. Seasonal increases in services, trade, and construction lifted nonmanufacturing for March. Cutbacks among durable-goods producers lowered manufacturing employment 700, to 236,200. Production workers in factories grossed $9.95 per hour, up 9¢ from February. Their average hours were little changed, at 40.3 hours.

Columbus.--Columbus' nonagricultural wage and salary employment advanced 3,800 from February, to 502,400 in March. Increases in services, retail trade, and construction boosted nonmanufacturing, accounting for the overall gain. Manufacturing, on the other hand, decreased to 89,500, down 400 from February. The workweek and hourly earnings of the average factory production worker, at 39.4 hours and $9.13 an hour, were down .4 hours but up 8¢ for the month.

Dayton.--Nonfarm employment in the Dayton area totaled 345,100 in March, down 400 from February. Manufacturing, down 1,800 to 91,200, was responsible for the decline, with losses concentrated in printing and publishing, transportation equipment, and plastic products. Nonmanufacturing expanded as services, retail trade, and construction gained seasonally. Earnings of factory production workers slipped marginally, to $9.81 an hour. Average weekly hours, at 39.7, were down .3 hours from February.

Toledo.--Nonfarm establishments in the Toledo area employed 283,600 in March, up 2,000 from February. Nonmanufacturing accounted for the increase, due mainly to seasonal hiring in services, retail trade, and construction. Manufacturing, however, dipped 300, to 68,400 in March. The average workweek for factory production workers, at 41.0 hours, was on par with February. Their average hourly earnings rose slightly, to $10.71 for March.

Youngstown-Warren.--Youngstown-Warren's nonagricultural wage and salary employment totaled 188,500 in March, up 3,100 from February. Manufacturing--up 2,400, to 59,200--was responsible for most of the gain, as auto workers were recalled from layoffs. Nonmanufacturing advanced as retail trade and services rose seasonally. Production workers in manufacturing industries grossed $11.67 per hour for a workweek of 39.3 hours, little changed from February averages.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 4-15-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
March ...	256.4	154.6	589.5	873.0	504.1	352.1	288.3	196.5
April ...	259.7	157.2	596.9	880.5	506.8	354.0	292.7	198.4
May	262.7	158.1	599.1	885.3	510.3	354.7	295.3	203.0
June	259.4	158.9	600.5	893.2	512.7	355.2	298.1	204.4
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.2	152.7	579.9	858.4	502.4	345.1	283.6	188.5
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
March ...	76.5	54.3	157.6	247.7	94.2	97.6	74.6	68.8
April ...	76.6	55.1	158.0	247.7	93.4	97.9	75.3	69.2
May	76.6	55.4	158.6	248.0	94.1	98.3	75.3	69.8
June	77.3	55.9	160.1	251.3	94.4	98.4	76.1	69.9
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.7	51.8	151.1	236.2	89.5	91.2	68.4	59.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
March ...	45.3	39.1	103.9	163.4	62.0	64.5	49.1	51.8
April ...	45.1	40.0	104.2	163.7	61.4	64.7	49.9	52.8
May	44.9	40.2	104.4	164.0	62.0	64.9	49.9	53.3
June	45.1	40.6	105.5	166.2	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.1	36.2	98.4	150.6	57.8	58.5	44.6	43.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
March ...	41.9	40.3	41.1	41.3	40.0	41.3	41.2	40.7
April ...	42.1	40.0	40.8	41.1	39.7	41.9	40.8	41.3
May	42.4	40.1	41.4	41.5	39.9	41.7	41.2	40.7
June	42.4	40.4	41.3	42.0	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.6	39.5	41.6	40.4	40.4
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.9	39.0	40.2	40.3	39.4	39.7	41.0	39.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
March ...	9.31	9.60	8.60	9.41	8.45	9.31	9.71	11.60
April ...	9.36	9.67	8.61	9.54	8.55	9.51	9.72	11.65
May	9.50	9.67	8.70	9.60	8.55	9.48	9.76	11.61
June	9.53	9.76	8.69	9.79	8.65	9.67	9.97	11.70
July	9.57	9.73	8.73	9.65	8.59	9.63	9.91	11.65
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.89	10.01	9.38	9.95	9.13	9.81	10.71	11.67
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
March ...	390.09	386.88	353.46	388.63	338.00	384.50	400.05	472.12
April ...	394.06	386.80	351.29	392.09	339.44	398.47	396.58	481.15
May	402.80	387.77	360.18	398.40	341.15	395.32	402.11	472.53
June	404.07	394.30	358.90	411.18	345.14	410.98	411.76	484.38
July	400.98	387.25	357.06	391.79	339.31	400.61	400.36	470.66
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	414.39	390.39	377.08	400.99	359.72	389.46	439.11	458.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate	Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.1	277.5	25.6	8.5	1980	186.5	169.8	16.7	8.9
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
February ...	292.4	263.4	28.9	9.9	February ..	181.7	163.7	18.0	9.9
March	298.2	271.2	27.0	9.1	March	186.1	168.2	17.9	9.6
April	300.4	278.1	22.3	7.4	April	186.9	172.6	14.3	7.7
May	308.4	283.6	24.8	8.0	May	191.0	175.6	15.3	8.0
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February[p] ..	295.6	260.4	35.1	11.9	February[p] .	185.0	161.5	23.6	12.7
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	674.4	626.8	47.5	7.0	1980	941.6	873.4	68.2	7.2
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
February ...	659.5	601.9	57.6	8.7	February ..	900.9	822.6	78.3	8.7
March	672.8	616.5	56.2	8.4	March	924.2	847.1	77.1	8.3
April	679.3	630.5	48.9	7.2	April	927.7	864.5	63.3	6.8
May	688.1	636.6	51.4	7.5	May	942.6	875.3	67.3	7.1
June	684.9	629.9	55.0	8.0	June	942.1	869.6	72.6	7.7
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February[p] ..	657.4	586.1	71.3	10.9	February[p] .	891.4	808.4	83.0	9.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1981 are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					**DAYTON[g]**				
1971	445.4	425.5	19.9	4.5	1971	349.3	326.0	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.6	336.3	17.3	4.9
1973	485.3	468.2	17.1	3.5	1973	357.9	343.4	14.5	4.0
1974	494.7	474.7	19.9	4.0	1974	358.9	341.9	17.0	4.7
1975	493.5	457.1	36.4	7.4	1975	356.5	326.7	29.8	8.4
1976	501.7	466.7	35.0	7.0	1976	359.2	335.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	366.6	346.4	20.2	5.5
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	557.4	525.8	31.6	5.7	1980	389.0	359.8	29.2	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
February	543.6	501.6	42.0	7.7	February	377.5	346.7	30.8	8.2
March	557.2	515.9	41.3	7.4	March	387.2	357.1	30.2	7.8
April	559.4	525.0	34.4	6.1	April	388.2	363.3	24.9	6.4
May	571.5	533.4	38.0	6.7	May	396.4	368.4	27.9	7.1
June	569.3	528.1	41.2	7.2	June	393.2	363.4	29.8	7.6
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September	561.3	511.9	49.4	8.8	September	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October	389.7	356.4	33.3	8.5
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February[p]	548.2	498.8	49.4	9.0	February[p]	383.4	341.7	41.7	10.9
TOLEDO[h]					**YOUNGSTOWN–WARREN[i]**				
1971	319.3	300.3	19.1	6.0	1971	225.0	207.1	17.9	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	343.8	324.2	19.7	5.7	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.9	328.5	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.4	6.2	1978	234.3	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.5	329.3	38.2	10.4	1980	237.5	209.5	28.0	11.8
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
February	354.2	311.3	42.9	12.1	February	231.1	196.4	34.7	15.0
March	363.5	323.6	39.9	11.0	March	231.8	204.1	27.7	11.9
April	364.9	333.1	31.8	8.7	April	229.7	208.6	21.1	9.2
May	373.2	339.6	33.6	9.0	May	235.4	214.3	21.1	8.9
June	373.9	339.2	34.7	9.3	June	234.5	212.3	22.1	9.4
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September	365.7	324.9	40.8	11.2	September	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October	230.2	204.9	25.3	11.0
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February[p]	355.8	310.2	45.6	12.8	February[p]	233.0	186.9	46.0	19.8

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1981 are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
March ...	5,039	4,567	471	9.3	7.7
April ...	5,058	4,672	386	7.6	7.0
May	5,167	4,752	414	8.0	7.1
June	5,144	4,707	437	8.5	7.7
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
March ...	4,289.4	1,239.4	3,050.0
April ...	4,326.0	1,243.3	3,082.7
May	4,356.7	1,247.2	3,109.6
June	4,384.6	1,256.2	3,128.4
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,198.8	1,150.7	3,048.1

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
March ...	31.0	139.4	214.5	228.9	695.2	203.3	838.4	699.4
April ...	22.7	150.6	217.0	230.2	709.5	204.0	854.3	694.4
May	23.1	155.6	217.8	230.4	719.0	204.6	859.3	699.6
June	31.6	161.6	220.0	232.6	720.5	206.4	870.0	685.6
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.9	128.6	212.6	228.7	688.3	204.6	867.0	686.4

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
March ...	1,239.4	867.6	371.8	852.5	325.3	34.9
April ...	1,243.3	870.4	373.0	858.6	332.3	35.2
May	1,247.2	873.2	373.9	861.9	337.1	35.6
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,150.7	793.1	357.6	776.1	308.7	31.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.96	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
March ...	381.60	395.38	348.39	40.9	41.1	40.7	9.33	9.62	8.56
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	397.79	408.00	371.45	40.1	40.0	40.2	9.92	10.20	9.24

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
March ...	60.9	139.4	154.6	204.9	101.3	143.5	69.0	66.4	89.3
April ...	61.5	140.7	156.3	205.8	101.8	141.3	69.6	66.0	90.0
May	61.9	140.8	157.3	206.1	102.2	141.5	69.3	66.0	90.4
June	62.8	141.4	158.6	206.7	103.3	142.3	70.5	66.1	90.7
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.7	124.3	140.6	189.8	97.0	126.9	67.9	65.2	81.6
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
March ...	334.14	477.25	391.41	382.81	345.17	448.95	347.24	329.12	367.84
April ...	337.77	495.76	388.95	379.76	350.06	460.24	353.83	337.42	370.71
May	345.24	488.04	395.38	386.88	348.35	469.42	364.50	344.42	366.80
June	348.02	496.69	400.46	393.12	350.33	492.20	357.62	348.91	375.84
July	349.57	486.38	365.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	364.50	475.53	395.41	390.98	365.60	486.93	376.99	354.55	378.39

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	4198.8	4171.8	4289.4	.6	- 2.1
MANUFACTURING	1150.7	1148.9	1239.4	.2	- 7.2
Durable Goods[e]	793.1	789.3	867.6	.5	- 8.6
Lumber and wood products	12.5	12.5	13.5	.3	- 7.3
Furniture and fixtures	13.9	13.9	15.0	- .2	- 7.9
Household furniture	6.3	6.3	7.1	.5	- 11.4
Stone, clay, and glass products	54.7	55.3	60.9	- 1.0	- 10.0
Glass and glassware, pressed or blown	14.1	14.1	15.2	- .7	- 7.3
Structural clay products	4.5	4.6	5.8	- 2.8	- 23.4
Pottery and related products	6.0	6.2	6.8	- 3.5	- 11.6
Primary metal industries	124.3	123.5	139.4	.7	- 10.9
Blast furnace and basic steel products	65.8	65.8	72.2	.0	- 8.9
Iron and steel foundries	25.5	24.7	29.3	3.4	- 13.0
Nonferrous rolling and drawing	17.3	17.2	20.1	.7	- 13.7
Nonferrous foundries	8.9	9.1	10.1	- 1.6	- 11.7
Fabricated metal products	140.6	141.1	154.6	- .3	- 9.0
Cutlery, hand tools, and hardware	11.2	11.1	13.3	.1	- 16.1
Plumbing and heating, except electric	4.4	4.6	5.1	- 4.0	- 14.4
Fabricated structural metal products	33.6	33.9	35.5	- 1.0	- 5.3
Screw machine products, bolts, etc.	9.9	10.0	10.6	- 1.3	- 6.6
Metal forgings and stampings	38.5	38.2	45.1	.6	- 14.6
Machinery, except electrical	189.8	191.0	204.9	- .6	- 7.4
Construction and related machinery	23.1	23.4	25.7	- 1.1	- 10.0
Metalworking machinery	51.2	51.6	55.5	- .7	- 7.7
Special industry machinery	20.1	20.3	21.7	- .7	- 7.1
General industrial machinery	36.3	36.9	39.2	- 1.6	- 7.4
Electric and electronic equipment	97.0	97.4	101.3	- .4	- 4.3
Electrical industrial apparatus	22.2	22.5	24.1	- 1.4	- 7.9
Household appliances	15.7	15.7	17.7	- .2	- 11.3
Electric lighting and wiring equipment	19.4	19.4	19.3	- .2	.8
Communication equipment	12.0	11.8	11.9	1.2	.7
Transportation equipment	126.9	121.3	143.5	4.6	- 11.5
Motor vehicles and equipment	81.6	76.2	95.8	7.1	- 14.9
Aircraft and parts	36.5	36.2	37.7	.7	- 3.2
Instruments and related products	20.5	20.4	21.2	.1	- 3.6
Measuring and controlling devices	12.2	12.2	13.1	.5	- 6.3
Nondurable Goods[f]	357.6	359.7	371.8	- .6	- 3.8
Food and kindred products	67.9	68.2	69.0	- .4	- 1.5
Meat products	11.1	11.2	11.6	- .3	- 3.7
Dairy products	11.3	11.2	11.7	.4	- 3.5
Bakery products	11.0	11.1	11.8	- .5	- 6.2
Beverages	10.5	10.6	10.5	- .2	.2
Textile mill products	4.4	4.5	4.9	- .9	- 10.0
Apparel and other textile products	16.8	16.9	16.9	- .5	- .1
Paper and allied products	36.1	36.4	38.1	- .9	- 5.3
Paper mills, except building paper	9.2	9.3	9.8	- .7	- 6.3
Misc. converted paper products	11.7	11.8	11.7	- .9	- .3
Paperboard containers and boxes	11.9	12.0	13.0	- 1.0	- 8.4
Printing and publishing	65.2	65.8	66.4	- .9	- 1.8
Newspapers	19.4	19.5	19.5	- .3	.0
Commercial printing	24.3	24.7	25.5	- 1.7	- 4.9
Chemicals and allied products	66.9	67.1	67.8	- .2	- 1.3
Industrial inorganic chemicals	12.8	12.8	13.0	- .2	- 1.2
Plastics materials and synthetics	9.5	9.6	9.7	- .5	- 2.3
Petroleum and coal products	13.1	13.4	14.0	- 2.0	- 6.0
Rubber and misc. plastics products	81.6	82.1	89.3	- .6	- 8.6
Tires and inner tubes	22.8	22.9	25.2	- .4	- 9.7
Miscellaneous plastics products	39.6	39.7	43.9	- .2	- 9.7
Leather and leather products	5.2	5.0	5.3	3.7	- 1.7

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$397.79	$395.79	$381.60	40.1	40.1	40.9	$ 9.92	$ 9.87	$ 9.33
Durable Goods[d]	408.00	405.60	395.38	40.0	40.0	41.1	10.20	10.14	9.62
Lumber and wood products	275.87	275.99	258.65	38.8	38.6	40.1	7.11	7.15	6.45
Furniture and fixtures	290.08	286.44	273.60	39.2	38.5	40.0	7.40	7.44	6.84
Household furniture	254.49	244.65	249.29	38.5	36.9	40.8	6.61	6.63	6.11
Stone, clay, and glass products	364.50	361.00	334.14	40.5	40.2	40.6	9.00	8.98	8.23
Glass and glassware, pressed or blown	368.16	368.24	352.92	39.0	38.6	40.8	9.44	9.54	8.65
Structural clay products	280.95	277.70	263.74	40.6	40.6	39.9	6.92	6.84	6.61
Pottery and related products	289.91	291.85	271.44	37.7	38.3	39.0	7.69	7.62	6.96
Primary metal industries	475.53	479.97	477.25	39.3	39.7	41.5	12.10	12.09	11.50
Blast furnace and basic steel products	509.98	518.90	524.15	38.9	39.4	41.5	13.11	13.17	12.63
Iron and steel foundries	442.26	442.60	423.53	39.7	40.2	41.0	11.14	11.01	10.33
Nonferrous rolling and drawing	469.87	463.97	466.02	38.8	38.6	40.7	12.11	12.02	11.45
Nonferrous foundries	341.70	349.79	341.82	40.2	41.2	42.2	8.50	8.49	8.10
Fabricated metal products	395.41	387.89	391.41	39.9	39.5	40.9	9.91	9.82	9.57
Cutlery, hand tools, and hardware	395.75	394.18	382.85	40.3	40.1	38.4	9.82	9.83	9.97
Plumbing and heating, except electric	316.23	321.53	309.07	36.9	37.3	37.6	8.57	8.62	8.22
Fabricated structural metal products	359.06	355.94	339.25	39.5	39.2	40.1	9.09	9.08	8.46
Screw machine products, bolts, etc.	336.87	337.66	343.66	38.9	39.4	40.1	8.66	8.57	8.57
Metal forgings and stampings	465.96	453.82	492.78	40.1	39.6	43.0	11.62	11.46	11.46
Machinery, except electrical	390.98	391.55	382.81	40.1	40.2	41.7	9.75	9.74	9.18
Construction and related machinery	396.98	407.43	385.54	39.5	40.3	41.5	10.05	10.11	9.29
Metalworking machinery	380.63	382.76	389.23	39.2	39.5	42.4	9.71	9.69	9.18
Special industry machinery	368.92	375.50	356.83	40.9	41.4	43.2	9.02	9.07	8.26
General industrial machinery	397.76	390.04	367.35	40.3	39.8	39.5	9.87	9.80	9.30
Electric and electronic equipment	365.60	365.82	345.17	40.0	40.2	40.8	9.14	9.10	8.46
Electrical industrial apparatus	345.98	354.82	354.90	38.4	39.6	42.2	9.01	8.96	8.41
Household appliances	364.41	360.21	343.33	39.1	38.9	39.6	9.32	9.26	8.67
Electric lighting and wiring equipment	357.47	354.50	320.31	40.9	40.7	40.7	8.74	8.71	7.87
Communication equipment	409.46	434.92	379.96	40.5	41.9	40.4	10.11	10.38	9.39
Transportation equipment	486.93	476.49	448.95	41.3	40.9	41.0	11.79	11.65	10.95
Motor vehicles and equipment	507.16	494.10	471.33	41.3	40.7	41.2	12.28	12.14	11.44
Aircraft and parts	436.81	440.18	392.69	40.9	41.1	40.4	10.68	10.71	9.72
Instruments and related products	277.48	279.50	248.71	38.7	39.2	38.5	7.17	7.13	6.46
Measuring and controlling devices	278.69	281.39	253.50	38.6	39.3	39.0	7.22	7.16	6.50
Nondurable Goods[e]	371.45	373.30	348.39	40.2	40.4	40.7	9.24	9.24	8.56
Food and kindred products	376.99	376.28	347.24	40.8	40.9	40.9	9.24	9.20	8.49
Meat products	414.10	432.90	386.78	41.0	42.4	40.8	10.10	10.21	9.48
Dairy products	365.50	367.64	340.42	42.5	43.1	43.2	8.60	8.53	7.88
Bakery products	367.88	361.68	344.35	39.9	39.1	40.8	9.22	9.25	8.44
Beverages	323.74	320.73	299.83	37.6	37.6	39.4	8.61	8.53	7.61
Textile mill products	256.89	258.84	255.12	39.1	39.1	39.8	6.57	6.62	6.41
Apparel and other textile products	218.86	216.17	203.79	37.8	37.4	37.6	5.79	5.78	5.42
Paper and allied products	378.75	379.14	353.07	42.7	42.6	42.9	8.87	8.90	8.23
Paper mills, except building paper	469.34	478.06	451.71	45.7	46.1	47.8	10.27	10.37	9.45
Misc. converted paper products	334.96	332.52	306.00	41.2	40.7	40.8	8.13	8.17	7.50
Paperboard containers and boxes	346.11	341.96	313.34	41.6	41.2	40.8	8.32	8.30	7.68
Printing and publishing	354.55	365.00	329.12	37.4	38.3	37.4	9.48	9.53	8.80
Newspapers	321.28	318.53	301.04	32.0	31.6	32.3	10.04	10.08	9.32
Commercial printing	375.39	390.17	340.34	38.7	40.1	38.5	9.70	9.73	8.84
Chemicals and allied products	404.97	401.13	375.50	40.7	40.6	41.4	9.95	9.88	9.07
Industrial inorganic chemicals	433.24	424.56	414.08	41.3	41.1	41.7	10.49	10.33	9.93
Plastics materials and synthetics	436.39	439.21	404.81	41.8	42.6	42.3	10.44	10.31	9.57
Petroleum and coal products	586.08	588.23	518.15	44.0	43.8	43.0	13.32	13.43	12.05
Rubber and misc. plastics products	378.39	382.94	367.84	40.6	41.0	41.8	9.32	9.34	8.80
Tires and inner tubes	547.20	551.60	478.16	44.2	44.7	43.0	12.38	12.34	11.12
Miscellaneous plastics products	338.13	341.91	358.15	39.0	39.3	41.5	8.67	8.70	8.63
Leather and leather products	176.30	171.22	172.07	34.1	34.8	35.7	5.17	4.92	4.82

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MARCH 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
NONMANUFACTURING	3048.1	3022.8	3050.0	.8	- .1
MINING	31.9	31.7	31.0	.7	3.1
Bituminous coal and lignite mining	14.3	14.2	14.7	.1	- 2.8
CONSTRUCTION	128.6	122.7	139.4	4.8	- 7.8
General building contractors	31.1	29.5	34.2	5.5	- 9.2
Heavy construction contractors	18.4	17.6	19.0	4.9	- 3.1
TRANSPORTATION AND PUBLIC UTILITIES	212.6	212.1	214.5	.3	- .9
Railroad transportation	23.9	23.8	26.3	.2	- 9.3
Transportation, except railroads	92.7	92.1	93.3	.6	- .7
Trucking and warehousing	70.3	69.9	71.1	.6	- 1.1
Communication, electric, gas services	96.1	96.2	94.9	- .1	1.3
Communication	55.2	55.3	54.5	- .2	1.3
Electric, gas, and sanitary services	40.9	40.9	40.3	.0	1.3
WHOLESALE TRADE	228.7	227.7	228.9	.4	- .1
Wholesale trade-durable goods	147.7	147.3	148.1	.3	- .3
Motor vehicles & automotive equipment	20.4	20.4	21.0	.2	- 3.0
Electrical goods	19.2	19.2	19.2	- .1	- .1
Machinery, equipment, and supplies	62.4	62.2	62.3	.3	.3
Wholesale trade-nondurable goods	81.0	80.4	80.8	.7	.2
Groceries and related products	24.0	23.8	23.7	.6	1.2
RETAIL TRADE	688.3	681.4	695.2	1.0	- 1.0
General merchandise stores	110.2	110.1	115.5	.0	- 4.6
Department stores	100.5	100.6	105.3	.0	- 4.5
Food stores	114.7	114.9	114.7	- .2	- .1
Automotive dealers & service stations	70.3	69.8	73.8	.8	- 4.7
Apparel and accessory stores	34.0	33.7	34.5	.9	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	204.6	204.2	203.3	.2	.7
Banking	58.9	59.0	58.9	- .1	.1
Credit agencies other than banks	30.7	30.6	31.0	.2	- .9
Insurance carriers	59.1	59.0	58.4	.2	1.2
SERVICES	867.0	858.2	838.4	1.0	3.4
Hotels and other lodging places	30.4	30.0	29.2	1.5	4.2
Laundry, cleaning, & garment services	17.0	16.9	17.3	.8	- 1.5
Business services	128.4	127.4	122.9	.8	4.5
Health services	307.2	305.3	290.1	.6	5.9
Hospitals	170.5	169.5	161.8	.6	5.4
GOVERNMENT	686.4	684.8	699.4	.2	- 1.9
Federal government	88.2	88.7	89.6	- .5	- 1.6
State government	147.7	146.2	148.1	1.1	- .3
State government, except education	71.6	71.6	71.6	.1	- .1
State government education[i]	76.1	74.6	76.5	2.0	- .4
Local government	450.4	449.9	461.7	.1	- 2.4
Local government, except education	184.0	184.1	191.6	- .1	- 4.0
Local government education	266.4	265.8	270.1	.3	- 1.3

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MARCH 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$447.18	$449.08	$380.82	43.5	43.6	39.3	$10.28	$10.30	$ 9.69
Bituminous coal and lignite mining	539.14	537.54	412.73	43.2	42.9	36.3	12.48	12.53	11.37
CONSTRUCTION	520.35	532.04	497.80	36.8	37.6	38.0	14.14	14.15	13.10
General building contractors	459.73	455.02	444.94	35.5	35.8	36.5	12.95	12.71	12.19
Heavy construction contractors	581.67	578.36	509.80	41.4	41.4	40.3	14.05	13.97	12.65
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	456.84	459.27	432.04	37.6	37.8	38.2	12.15	12.15	11.31
Communication, electric, gas services	418.77	419.18	376.94	40.5	40.5	40.1	10.34	10.35	9.40
Communication	409.54	407.72	365.19	39.8	39.7	39.1	10.29	10.27	9.34
Electric, gas, and sanitary services	431.60	434.72	392.47	41.5	41.6	41.4	10.40	10.45	9.48
WHOLESALE TRADE	303.77	304.55	288.64	38.5	38.6	38.9	7.89	7.89	7.42
Wholesale trade-durable goods	299.92	297.22	286.44	38.8	38.6	39.4	7.73	7.70	7.27
Motor vehicles & automotive equipment	243.62	249.91	275.26	36.8	37.3	39.1	6.62	6.70	7.04
Electrical goods	256.12	255.00	240.11	38.0	37.5	37.4	6.74	6.80	6.42
Machinery, equipment, and supplies	327.76	323.79	297.44	39.3	39.2	39.5	8.34	8.26	7.53
Wholesale trade-nondurable goods	311.22	317.18	292.99	38.0	38.4	38.2	8.19	8.26	7.67
Groceries and related products	340.05	350.10	326.82	40.1	40.9	40.7	8.48	8.56	8.03
RETAIL TRADE[f]	150.91	147.44	147.32	28.8	28.3	29.0	5.24	5.21	5.08
General merchandise stores	150.62	147.11	146.32	28.8	28.4	29.5	5.23	5.18	4.96
Department stores	152.40	148.58	147.80	28.7	28.3	29.5	5.31	5.25	5.01
Food stores	220.73	214.68	226.57	30.7	30.8	32.6	7.19	6.97	6.95
Automotive dealers & service stations	196.84	193.94	200.56	37.0	36.8	37.7	5.32	5.27	5.32
Apparel and accessory stores	116.30	111.57	105.73	27.3	26.5	26.3	4.26	4.21	4.02
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	195.53	195.25	180.78	....	....	....	....	....	....
Credit agencies other than banks	197.46	199.66	187.97	....	....	....	....	....	....
Insurance carriers	266.67	265.51	245.10	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	254.69	253.34	229.50	33.6	33.6	33.8	7.58	7.54	6.79
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	253.2	252.4	256.4	.3	- 1.2
MANUFACTURING	71.7	72.1	76.5	- .6	- 6.3
Durable Goods[e]	35.7	35.9	37.7	- .5	- 5.3
Stone, clay, and glass products	1.7	1.8	1.9	- .6	- 6.9
Fabricated metal products	13.4	13.4	14.5	- .4	- 7.7
Machinery, except electrical	10.0	10.0	10.8	- .2	- 7.7
Special industry machinery	1.9	2.0	2.2	- 1.5	- 10.7
Nondurable Goods[f]	35.9	36.2	38.7	- .6	- 7.2
Food and kindred products	2.9	2.9	3.0	- 1.1	- 4.8
Chemicals and allied products	3.6	3.7	3.7	- 2.2	- 1.0
Rubber and misc. plastics products	24.4	24.5	27.0	- .3	- 9.7
Tires and inner tubes	18.6	18.7	21.0	- .4	- 11.4
NONMANUFACTURING[g]	181.5	180.3	179.9	.7	.9
CONSTRUCTION	6.2	5.7	6.2	7.2	- .9
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.5	13.8	.7	- 1.1
Communication, electric, gas services ..	5.5	5.5	5.4	.2	2.8
WHOLESALE TRADE	12.1	12.1	12.0	.2	1.0
RETAIL TRADE	44.0	43.6	43.7	1.0	.9
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.1	9.1	.3	- .1
SERVICES	51.8	51.5	50.1	.6	3.4
GOVERNMENT	44.1	44.2	44.5	- .1	- .9
State government (includes education) ..	14.6	14.4	14.1	1.1	3.4
Local government (includes education) ..	27.4	27.6	28.3	- .8	- 3.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.39	$406.43	$3[illegible]0.09	41.9	41.6	41.9	$ 9.89	$ 9.77	$ 9.31
Durable Goods[d]	400.75	396.45	377.87	41.4	41.6	41.8	9.68	9.53	9.04
Stone, clay, and glass products	398.58	396.44	345.28	42.0	42.4	41.6	9.49	9.35	8.30
Fabricated metal products	402.87	398.45	379.29	40.9	40.7	39.8	9.85	9.79	9.53
Machinery, except electrical	401.43	387.89	392.45	42.3	42.3	43.8	9.49	9.17	8.96
Special industry machinery	347.94	353.12	342.34	40.6	41.3	41.8	8.57	8.55	8.19
Nondurable Goods[e]	432.23	421.34	402.66	42.5	41.8	41.9	10.17	10.08	9.61
Food and kindred products	417.75	406.79	388.17	44.3	43.6	45.4	9.43	9.33	8.55
Chemicals and allied products	422.47	385.12	414.29	41.5	40.2	43.2	10.18	9.58	9.59
Rubber and misc. plastics products	459.80	454.31	421.88	43.5	42.9	42.4	10.57	10.59	9.95
Tires and inner tubes	580.49	583.49	496.34	45.6	45.8	43.5	12.73	12.74	11.41
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	519.92	499.32	490.58	36.9	36.0	38.0	14.09	13.87	12.91
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	417.51	417.11	376.40	40.3	40.3	40.0	10.36	10.35	9.41
WHOLESALE TRADE	283.08	282.59	270.18	38.1	38.5	38.0	7.43	7.34	7.11
RETAIL TRADE[f]	169.56	163.54	166.65	29.8	29.1	30.3	5.69	5.62	5.50
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	152.7	152.0	154.6	.5	- 1.2
MANUFACTURING	51.8	52.1	54.3	- .6	- 4.6
Durable Goods[e]	40.3	40.5	42.4	- .5	- 5.0
Stone, clay, and glass products	2.1	2.1	2.0	- .6	1.0
Primary metal industries	12.6	12.8	14.2	- 1.6	- 11.2
Fabricated metal products	9.2	9.2	9.7	- .5	- 5.5
Fabricated structural metal products	3.3	3.3	3.1[h]	.0	7.0
Metal forgings and stampings	2.4	2.4	3.1	- 2.6	- 22.5
Nondurable Goods[f]	11.5	11.6	11.9	- 1.0	- 3.1
Food and kindred products	4.2	4.2	4.2	.4	.8
Rubber and misc. plastics products	2.8	2.8	3.0	.1	- 8.1
NONMANUFACTURING[g]	100.9	99.8	100.3	1.0	.6
CONSTRUCTION	4.4	4.1	4.5	8.5	- 1.0
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.0	.3	.6
Communication, electric, gas services	3.1	3.1	3.0	- .3	2.7
WHOLESALE TRADE	7.2	7.2	7.2	- .2	- .5
RETAIL TRADE	25.2	24.9	25.0	1.2	.7
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.3	6.3	.5	1.2
SERVICES	30.1	29.8	29.5	.8	1.9
GOVERNMENT	19.3	19.2	19.5	.6	- 1.1
Local government (includes education)	16.1	16.0	16.2	.5	- .7

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	.....	.....	....
MANUFACTURING	$390.39	$394.97	$386.88	39.0	39.3	40.3	$10.01	$10.05	$ 9.60
Durable Goods[d]	394.11	400.53	396.32	38.6	39.0	40.4	10.21	10.27	9.81
Stone, clay, and glass products	267.19	274.48	248.67	40.3	41.4	40.9	6.63	6.63	6.08
Primary metal industries	439.83	448.59	480.00	36.5	36.8	40.1	12.05	12.19	11.97
Fabricated metal products	405.08	409.62	404.17	39.1	39.5	41.2	10.36	10.37	9.81
Fabricated structural metal products	387.83	387.20	375.31	39.9	40.0	42.6	9.72	9.68	8.81
Metal forgings and stampings	480.68	489.24	470.09	39.4	40.4	41.2	12.20	12.11	11.41
Nondurable Goods[e]	377.40	373.52	343.47	40.8	40.6	39.8	9.25	9.20	8.63
Food and kindred products	441.98	437.93	384.34	41.0	40.7	39.5	10.78	10.76	9.73
Rubber and misc. plastics products	384.26	384.26	360.90	45.8	45.8	44.5	8.39	8.39	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	488.59	491.32	464.26	34.8	35.5	36.7	14.04	13.84	12.65
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	435.94	433.46	383.26	41.4	41.4	40.6	10.53	10.47	9.44
WHOLESALE TRADE	292.61	289.17	275.80	38.4	38.2	38.9	7.62	7.57	7.09
RETAIL TRADE[f]	147.54	143.20	139.48	29.1	28.3	28.7	5.07	5.06	4.86
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	579.9	574.8	589.5	.9	- 1.6
MANUFACTURING	151.1	149.6	157.6	1.0	- 4.1
Durable Goods[e]	83.8	82.1	87.9	2.1	- 4.7
Furniture and fixtures	2.3	2.3	2.5	- 2.3	- 10.4
Primary metal industries	2.2	2.5	2.1	- 9.1	5.0
Fabricated metal products	13.0	13.3	14.5	- 2.3	- 10.4
Fabricated structural metal products	4.2	4.4	4.7	- 2.9	- 10.0
Machinery, except electrical	24.7	24.9	24.9	- .6	- .7
Metalworking machinery	13.0	13.1	13.0	- .8	.1
General industrial machinery	3.4	3.5	3.6	- 1.0	- 3.3
Electric and electronic equipment	8.3	8.3	8.6	- .2	- 3.6
Transportation equipment	22.6	20.1	25.0	12.4	- 9.7
Motor vehicles and equipment	8.0	5.5	8.7	44.8	- 8.3
Nondurable Goods[f]	67.3	67.6	69.7	- .4	- 3.5
Food and kindred products	15.8	16.0	16.6	- 1.8	- 5.3
Meat products	2.3	2.4	2.5	- .1	- 4.5
Bakery products	2.4	2.4	2.8	- .2	- 14.5
Beverages	4.4	4.6	4.8	- 3.2	- 7.8
Apparel and other textile products	3.9	3.8	3.7	1.4	4.0
Paper and allied products	6.2	6.2	6.4	.3	- 4.0
Printing and publishing	11.7	11.8	12.1	- .4	- 2.7
Chemicals and allied products	22.1	22.1	22.1	- .1	- .3
Rubber and misc. plastics products	4.0	4.0	4.3	2.0	- 5.6
NONMANUFACTURING[g]	428.9	425.2	431.9	.9	- .7
CONSTRUCTION	19.7	19.0	21.4	3.4	- 8.1
TRANSPORTATION AND PUBLIC UTILITIES	32.7	32.6	33.0	.2	- .8
Communication, electric, gas services	14.2	14.3	14.1	- .3	.7
WHOLESALE TRADE	37.7	37.5	38.1	.4	- 1.2
RETAIL TRADE	97.8	97.2	98.9	.6	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	32.0	31.8	32.4	.5	- 1.1
Banking	7.4	7.4	7.4	.5	.2
Insurance carriers	11.3	11.3	11.3	.2	.8
SERVICES	123.5	121.8	121.4	1.4	1.7
GOVERNMENT	85.3	84.9	86.5	.4	- 1.4
Federal government	13.7	13.8	13.9	- .6	- 1.6
State government (includes education)	19.0	18.7	19.1	1.4	- .7
Local government	52.5	52.4	53.4	.3	- 1.6
Local government, except education	21.5	21.5	22.5	.4	- 4.1
Local government education	31.0	30.9	30.9	.3	.2

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$377.08	$367.75	$353.46	40.2	39.8	41.1	$ 9.38	$ 9.24	$ 8.60
Durable Goods[d]	360.99	347.31	344.81	39.8	39.2	41.0	9.07	8.86	8.41
Furniture and fixtures	254.18	250.62	240.64	35.5	35.2	37.6	7.16	7.12	6.40
Primary metal industries	328.16	394.39	356.90	35.4	39.4	38.5	9.27	10.01	9.27
Fabricated metal products	352.34	334.63	336.61	39.5	38.2	40.9	8.92	8.76	8.23
Fabricated structural metal products	299.12	289.18	293.56	38.3	38.0	41.0	7.81	7.61	7.16
Machinery, except electrical	327.55	326.61	337.55	38.4	38.2	42.3	8.53	8.55	7.98
Metalworking machinery	342.24	344.10	381.47	36.8	37.0	44.1	9.30	9.30	8.65
General industrial machinery	338.44	316.68	277.48	40.1	38.2	38.7	8.44	8.29	7.17
Electric and electronic equipment	290.77	279.94	248.68	39.4	38.4	38.2	7.38	7.29	6.51
Transportation equipment	496.02	478.92	451.86	42.0	41.9	41.8	11.81	11.43	10.81
Motor vehicles and equipment	573.29	559.34	526.25	43.3	42.6	43.6	13.24	13.13	12.07
Nondurable Goods[e]	394.63	390.02	362.50	40.6	40.5	41.1	9.72	9.63	8.82
Food and kindred products	438.54	431.26	396.83	41.1	40.8	40.7	10.67	10.57	9.75
Meat products	453.53	458.47	451.93	41.8	42.1	43.0	10.85	10.89	10.51
Bakery products	389.99	370.26	357.37	41.8	39.6	41.7	9.33	9.35	8.57
Beverages	407.68	396.06	335.72	41.6	41.0	38.5	9.80	9.66	8.72
Apparel and other textile products	229.12	217.56	218.48	38.9	37.0	38.6	5.89	5.88	5.66
Paper and allied products	323.21	339.00	306.82	40.3	41.8	40.8	8.02	8.11	7.52
Printing and publishing	388.48	378.07	349.97	39.4	39.3	38.5	9.86	9.62	9.09
Chemicals and allied products	458.58	440.13	412.90	42.5	41.6	43.1	10.79	10.58	9.58
Rubber and misc. plastics products	298.98	307.34	334.08	39.6	40.6	43.9	7.55	7.57	7.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	574.56	610.30	517.69	39.9	42.5	39.7	14.40	14.36	13.04
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	382.79	377.91	348.10	39.1	38.8	39.2	9.79	9.74	8.88
WHOLESALE TRADE	302.23	301.46	286.26	38.5	38.5	39.0	7.85	7.83	7.34
RETAIL TRADE[f]	150.96	150.31	145.62	29.6	29.3	29.3	5.10	5.13	4.97
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	192.64	196.50	185.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	858.4	854.9	873.0	.4	- 1.7
MANUFACTURING	236.2	236.9	247.7	- .3	- 4.6
Durable Goods[e]	169.5	170.2	181.2	- .4	- 6.5
Furniture and fixtures	2.2	2.2	2.4	2.6	- 5.7
Primary metal industries	27.6	27.6	29.4	- .1	- 5.9
Blast furnace and basic steel products	14.6	14.4	15.6	1.2	- 6.4
Iron and steel foundries	6.3	6.5	6.7	- 2.8	- 6.5
Nonferrous foundries	3.0	3.0	2.9	- .3	4.2
Fabricated metal products	36.7	36.8	39.0	- .3	- 5.7
Fabricated structural metal products	4.3	4.3	4.4	- .6	- 2.2
Screw machine products, bolts, etc.	5.7	5.8	5.9	- 1.9	- 2.5
Metal forgings and stampings	12.7	12.4	13.7	2.2	- 7.3
Machinery, except electrical	42.0	42.4	46.5	- .7	- 9.6
Construction and related machinery	6.9	6.9	8.1	.7	- 14.3
Metalworking machinery	15.0	15.2	16.9	- 1.1	- 10.8
Special industry machinery	4.4	4.4	4.6	- 1.0	- 6.3
General industrial machinery	3.4	3.6	3.9	- 3.5	- 12.3
Electric and electronic equipment	25.0	25.0	23.7[h]	- .3	5.2
Electrical industrial apparatus	8.6	8.7	9.1	- .8	- 5.7
Transportation equipment	20.9	20.9	24.5	- .4	- 14.8
Motor vehicles and equipment	13.8	13.8	16.8	.2	- 17.8
Instruments and related products	6.5	6.5	6.7	.2	- 2.7
Nondurable Goods[f]	66.7	66.7	66.5	.0	.3
Food and kindred products	8.2	8.2	8.3	- .8	- 1.6
Bakery products	1.8	1.8	1.8	- 1.1	- .3
Beverages	1.5	1.5	1.6	.8	- 2.8
Apparel and other textile products	5.3	5.4	5.6	- .4	- 3.9
Paper and allied products	5.1	5.0	5.1	1.8	.3
Printing and publishing	15.6	15.6	15.1	- .1	3.4
Chemicals and allied products	15.6	15.6	16.0	.0	- 2.4
Industrial inorganic chemicals	4.1	4.1	4.2	.0	- 2.8
Rubber and misc. plastics products	10.7	10.7	10.6	.3	1.1
NONMANUFACTURING[g]	622.1	617.9	625.3	.7	- .5
CONSTRUCTION	24.1	23.4	24.8	3.1	- 2.6
TRANSPORTATION AND PUBLIC UTILITIES	43.6	43.5	43.5	.3	.4
Communication, electric, gas services	20.1	20.1	19.5	.0	3.3
WHOLESALE TRADE	61.0	60.8	62.3	.4	- 2.1
RETAIL TRADE	132.1	131.0	134.4	.8	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	47.7	47.5	47.6	.4	.1
Banking	13.4	13.4	13.7	.1	- 2.2
Insurance carriers	11.9	11.8	11.8	.1	.7
SERVICES	194.3	192.1	189.5	1.1	2.5
GOVERNMENT	118.0	118.3	121.9	- .2	- 3.1
Federal government	19.2	19.5	20.1	- 1.7	- 4.7
State government (includes education)	7.9	7.9	8.3	.7	- 3.7
Local government	90.9	90.9	93.5	.0	- 2.8
Local government, except education	45.5	45.6	44.9	- .2	1.4
Local government education	45.4	45.3	48.7	.2	- 6.6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$400.99	$396.37	$388.63	40.3	40.2	41.3	$ 9.95	$ 9.86	$ 9.41
Durable Goods[d]	418.95	412.85	407.26	40.4	40.2	41.6	10.37	10.27	9.79
Furniture and fixtures	309.48	308.73	310.99	41.1	41.0	44.3	7.53	7.53	7.02
Primary metal industries	479.53	470.81	475.30	39.5	39.3	42.4	12.14	11.98	11.21
Blast furnace and basic steel products	510.51	499.14	538.06	38.5	37.9	42.4	13.26	13.17	12.69
Iron and steel foundries	547.76	538.90	486.22	41.0	41.2	41.7	13.36	13.08	11.66
Nonferrous foundries	319.55	323.87	315.59	38.5	39.4	39.4	8.30	8.22	8.01
Fabricated metal products	406.00	398.40	389.64	40.0	40.0	40.8	10.15	9.96	9.55
Fabricated structural metal products	330.26	350.24	316.01	39.6	41.4	39.6	8.34	8.46	7.98
Screw machine products, bolts, etc.	345.64	348.96	335.51	39.1	39.7	39.8	8.84	8.79	8.43
Metal forgings and stampings	506.35	482.80	495.62	41.2	40.1	42.8	12.29	12.04	11.58
Machinery, except electrical	410.06	414.94	405.88	40.4	40.8	41.8	10.15	10.17	9.71
Construction and related machinery	472.56	487.20	427.11	41.2	42.0	40.6	11.47	11.60	10.52
Metalworking machinery	393.41	395.34	413.42	39.9	40.3	43.2	9.86	9.81	9.57
Special industry machinery	409.54	424.54	373.72	39.8	40.9	39.8	10.29	10.38	9.39
General industrial machinery	414.41	399.56	375.23	41.4	40.4	41.6	10.01	9.89	9.02
Electric and electronic equipment	350.54	351.01	353.96	40.2	40.3	42.8	8.72	8.71	8.27
Electrical industrial apparatus	333.60	352.64	381.31	36.3	38.0	42.7	9.19	9.28	8.93
Transportation equipment	509.72	484.26	467.41	42.3	40.9	41.4	12.05	11.84	11.29
Motor vehicles and equipment	526.26	498.13	482.45	41.8	40.4	41.2	12.59	12.33	11.71
Instruments and related products	316.98	321.31	285.91	40.9	41.3	39.6	7.75	7.78	7.22
Nondurable Goods[e]	345.86	345.20	327.64	39.8	40.0	40.3	8.69	8.63	8.13
Food and kindred products	347.13	345.32	349.43	40.6	40.2	42.1	8.55	8.59	8.30
Bakery products	389.90	399.21	401.41	41.7	42.2	44.7	9.35	9.46	8.98
Beverages	299.92	314.57	281.40	38.9	40.8	40.2	7.71	7.71	7.00
Apparel and other textile products	246.00	248.25	230.08	37.5	37.9	38.8	6.56	6.55	5.93
Paper and allied products	361.21	361.88	319.98	41.0	41.5	40.3	8.81	8.72	7.94
Printing and publishing	379.55	370.28	352.03	38.3	37.9	38.6	9.91	9.77	9.12
Chemicals and allied products	397.71	397.23	386.05	40.5	40.7	41.6	9.82	9.76	9.28
Industrial inorganic chemicals	386.10	386.28	400.60	39.6	39.7	40.1	9.75	9.73	9.99
Rubber and misc. plastics products	319.35	326.14	290.21	41.8	42.8	41.4	7.64	7.62	7.01
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	574.90	590.44	548.16	36.9	37.8	37.7	15.58	15.62	14.54
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	444.40	450.25	406.82	40.4	40.6	40.2	11.00	11.09	10.12
WHOLESALE TRADE	324.37	329.55	308.50	38.8	39.0	39.1	8.36	8.45	7.89
RETAIL TRADE[f]	160.16	157.06	156.44	28.0	27.7	28.6	5.72	5.67	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	222.39	222.49	203.53	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	502.4	498.6	504.1	.8	- .3
MANUFACTURING	89.5	89.9	94.2	- .4	- 5.0
Durable Goods[e]	56.4	56.6	60.6	- .4	- 6.9
Stone, clay, and glass products	9.0	9.2	10.0	- 2.2	- 10.4
Fabricated metal products	9.3	9.4	11.7	- 1.7	- 20.7
Machinery, except electrical	11.2	11.4	11.6	- 1.4	- 3.7
Electric and electronic equipment	11.6	11.7	11.9	- .4	- 2.4
Transportation equipment	6.8	6.6	6.2	4.4	10.3
Nondurable Goods[f]	33.1	33.2	33.7	- .4	- 1.7
Food and kindred products	10.7	10.7	10.4	.3	2.5
Printing and publishing	8.6	8.5	8.8	.3	- 2.5
Chemicals and allied products	6.0	6.1	6.1	- .9	- 1.0
Rubber and misc. plastics products	2.8	2.9	3.0	- 1.6	- 7.1
NONMANUFACTURING[g]	412.9	408.7	409.9	1.0	.7
CONSTRUCTION	15.1	14.2	16.3	6.4	- 7.3
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.6	23.9	.2	- 1.0
Communication, electric, gas services	11.5	11.5	11.3	- .1	2.0
WHOLESALE TRADE	27.3	27.2	27.0	.5	1.2
RETAIL TRADE	91.6	90.3	89.9	1.4	1.8
FINANCE, INSURANCE, AND REAL ESTATE	40.5	40.4	38.7	.3	4.5
Banking	8.1	8.1	7.8	.1	4.2
Insurance carriers	17.6	17.6	17.0	.5	3.9
SERVICES	109.9	108.5	106.7	1.3	3.0
GOVERNMENT	103.9	103.6	106.5	.3	- 2.4
Federal government	11.4	11.4	11.4	- .3	- .3
State government	49.7	49.5	50.0	.4	- .6
State government, except education	29.4	29.4	29.0	.2	1.4
State government education[i]	20.3	20.2	21.0	.7	- 3.2
Local government	42.8	42.7	45.1	.3	- 5.1
Local government, except education	17.2	17.1	19.1	.3	- 10.1
Local government education	25.6	25.6	26.0	.3	- 1.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$359.72	$360.19	$338.00	39.4	39.8	40.0	$ 9.13	$ 9.05	$ 8.45
Durable Goods[d]	373.03	373.20	351.12	39.6	40.0	39.9	9.42	9.33	8.80
Stone, clay, and glass products	348.66	341.72	334.13	39.0	38.7	41.2	8.94	8.83	8.11
Fabricated metal products	405.02	408.33	408.96	38.5	39.3	38.4	10.52	10.39	10.65
Machinery, except electrical	363.53	360.33	353.58	40.8	40.9	42.6	8.91	8.81	8.30
Electric and electronic equipment	375.87	386.16	349.06	40.2	41.3	40.4	9.35	9.35	8.64
Transportation equipment	447.68	442.44	387.71	41.8	41.7	41.6	10.71	10.61	9.32
Nondurable Goods[e]	333.91	333.66	308.33	39.1	39.3	40.2	8.54	8.49	7.67
Food and kindred products	323.05	330.02	314.23	39.3	40.1	41.4	8.22	8.23	7.59
Printing and publishing	378.51	380.65	332.43	37.7	37.8	35.9	10.04	10.07	9.26
Chemicals and allied products	378.28	375.07	355.28	40.2	40.2	42.6	9.41	9.33	8.34
Rubber and misc. plastics products	303.16	298.40	281.96	40.1	40.0	42.4	7.56	7.46	6.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	457.79	455.16	431.29	36.8	36.5	38.1	12.44	12.47	11.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	436.45	440.51	392.83	40.3	40.6	39.6	10.83	10.85	9.92
WHOLESALE TRADE	291.82	292.60	287.43	38.6	38.5	39.7	7.56	7.60	7.24
RETAIL TRADE[f]	149.01	144.90	139.87	28.6	28.3	29.2	5.21	5.12	4.79
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	216.97	215.46	1[illegible].58	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	345.1	345.5	352.1	- .1	- 2.0
MANUFACTURING	91.2	93.0	97.6	- 1.9	- 6.6
Durable Goods[e]	63.1	63.8	66.7	- 1.2	- 5.4
Stone, clay, and glass products	2.1	2.1	2.3	- .3	- 8.2
Fabricated metal products	6.9	7.0	7.2	- .8	- 3.5
Machinery, except electrical	29.9	30.2	31.5	- .7	- 5.0
Metalworking machinery	6.7	6.7	7.4	- .3	- 10.0
Electric and electronic equipment	5.2	5.3	5.6	- 1.5	- 7.2
Electrical industrial apparatus	3.2	3.2	3.4	- 1.2	- 7.0
Transportation equipment	12.9	13.3	13.6	- 2.3	- 5.1
Nondurable Goods[f]	28.1	29.2	30.9	- 3.6	- 9.0
Food and kindred products	3.1	3.1	3.0	- .1	1.7
Paper and allied products	5.5	5.6	5.9	- 1.8	- 7.7
Printing and publishing	8.6	9.1	9.3	- 5.9	- 8.0
Rubber and misc. plastics products	7.4	7.7	9.0	- 4.3	- 18.0
NONMANUFACTURING[g]	253.9	252.6	254.5	.5	- .2
CONSTRUCTION	9.3	8.9	11.2	4.8	- 16.8
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	13.0	.2	- .3
Communication, electric, gas services	6.5	6.5	6.6	- .4	- 2.0
WHOLESALE TRADE	16.4	16.5	16.3	- .1	.7
RETAIL TRADE	54.7	54.2	55.1	.9	- .7
FINANCE, INSURANCE, AND REAL ESTATE	13.7	13.6	13.3	.5	2.7
SERVICES	76.3	75.7	74.2	.8	2.9
GOVERNMENT	70.1	70.4	71.1	- .4	- 1.3
Federal government	25.7	25.8	25.6	- .5	.4
State government (includes education)	6.8	6.8	6.0	.4	13.4
Local government	37.7	37.9	39.5	- .5	- 4.7
Local government, except education	12.7	12.9	14.1	- 1.6	- 9.9
Local government education	25.0	24.9	25.4	.1	- 1.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[h]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$389.46	$392.80	$384.50	39.7	40.0	41.3	$ 9.81	$ 9.82	$ 9.31
Durable Goods[d]	394.54	392.75	383.88	40.3	40.2	42.0	9.79	9.77	9.14
Stone, clay, and glass products	365.09	366.62	331.18	39.9	40.2	39.1	9.15	9.12	8.47
Fabricated metal products	312.05	301.84	289.68	39.4	38.5	40.8	7.92	7.84	7.10
Machinery, except electrical	414.32	418.55	399.67	40.9	41.4	42.7	10.13	10.11	9.36
Metalworking machinery	390.98	405.60	424.75	40.6	41.6	44.9	9.63	9.75	9.46
Electric and electronic equipment	307.19	306.50	283.56	41.4	41.7	40.8	7.42	7.35	6.95
Electrical industrial apparatus	322.00	329.38	317.37	40.3	41.8	42.6	7.99	7.88	7.45
Transportation equipment	487.95	471.37	508.15	39.8	38.7	42.1	12.26	12.18	12.07
Nondurable Goods[e]	376.27	393.23	385.66	38.2	39.6	39.8	9.85	9.93	9.69
Food and kindred products	403.17	402.96	384.00	39.8	39.7	40.0	10.13	10.15	9.60
Paper and allied products	326.40	339.48	327.20	40.0	41.0	40.9	8.16	8.28	8.00
Printing and publishing	365.19	429.48	360.96	37.0	41.9	38.4	9.87	10.25	9.40
Rubber and misc. plastics products	456.92	446.68	492.03	37.7	37.1	40.9	12.12	12.04	12.03
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	478.20	494.23	482.33	36.2	37.3	39.6	13.21	13.25	12.18
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	422.75	426.22	383.67	40.3	40.4	39.8	10.49	10.55	9.64
WHOLESALE TRADE	289.76	292.58	270.50	40.3	40.3	40.8	7.19	7.26	6.63
RETAIL TRADE[f]	148.03	144.10	144.00	28.8	28.2	28.8	5.14	5.11	5.00
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only. tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	283.6	281.6	288.3	.7	- 1.6
MANUFACTURING	68.4	68.8	74.6	- .4	- 8.2
Durable Goods[e]	53.2	53.2	57.9	- .2	- 8.1
Stone, clay, and glass products	12.0	12.2	13.1	- 1.6	- 8.1
Primary metal industries	4.0	4.0	4.5	.5	- 12.6
Fabricated metal products	7.1	6.7	7.8	5.8	- 9.5
Metal forgings and stampings	3.4	3.1	3.7	7.0	- 9.7
Machinery, except electrical	6.3	6.3	6.8	- .4	- 7.2
General industrial machinery	1.8	1.8	2.0	- 1.2	- 9.5
Transportation equipment	16.1	16.5	17.2	- 2.0	- 6.4
Motor vehicles and equipment	14.7	15.0	15.9	- 2.4	- 8.1
Nondurable Goods[f]	15.3	15.5	16.7	- 1.4	- 8.5
Food and kindred products	4.0	4.1	4.0	- 3.2	- .3
Petroleum and coal products	1.6	1.6	1.8	- .1	- 11.6
Rubber and misc. plastics products	2.9	2.9	3.3	- 1.3	- 13.2
NONMANUFACTURING[g]	215.1	212.8	213.7	1.1	.7
CONSTRUCTION	9.8	9.1	10.3	6.7	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	18.7	18.6	18.7	.4	.0
Communication, electric, gas services	7.7	7.7	7.3	.2	4.9
WHOLESALE TRADE	14.3	14.3	14.5	.4	- 1.6
RETAIL TRADE	50.1	49.4	50.0	1.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.5	10.6	.0	- .5
SERVICES	64.8	64.2	61.4	.9	5.6
GOVERNMENT	46.5	46.2	47.7	.6	- 2.6
State government (includes education)	15.0	14.9	14.8	.7	1.2
Local government	28.8	28.6	30.2	.6	- 4.8
Local government, except education	10.9	10.8	11.7	.3	- 7.6
Local government education	17.9	17.8	18.5	.8	- 3.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]

MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.11	$438.70	$400.05	41.0	41.0	41.2	$10.71	$10.70	$ 9.71
Durable Goods[d]	456.21	452.06	411.00	41.1	40.8	41.1	11.10	11.08	10.00
Stone, clay, and glass products	462.03	457.07	416.02	43.1	42.4	42.8	10.72	10.78	9.72
Primary metal industries	413.82	415.94	399.71	41.8	42.4	43.4	9.90	9.81	9.21
Fabricated metal products	444.16	430.73	378.18	42.1	41.9	39.6	10.55	10.28	9.55
Metal forgings and stampings	488.11	504.82	413.57	41.4	43.0	39.5	11.79	11.74	10.47
Machinery, except electrical	430.50	420.97	397.03	41.0	40.4	41.4	10.50	10.42	9.59
General industrial machinery	433.54	427.10	449.60	38.4	38.1	41.4	11.29	11.21	10.86
Transportation equipment	508.33	507.85	469.90	39.9	39.8	40.3	12.74	12.76	11.66
Motor vehicles and equipment	508.16	507.67	473.18	39.7	39.6	40.1	12.80	12.82	11.80
Nondurable Goods[e]	378.10	390.62	359.39	40.7	41.6	41.5	9.29	9.39	8.66
Food and kindred products	388.83	387.24	382.79	41.9	42.0	43.4	9.28	9.22	8.82
Petroleum and coal products	627.00	632.02	562.39	45.8	46.2	43.8	13.69	13.68	12.84
Rubber and misc. plastics products	314.38	342.78	302.48	39.2	41.2	39.8	8.02	8.32	7.60
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	597.07	611.85	556.80	38.2	38.7	38.4	15.63	15.81	14.50
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.82	463.01	396.19	41.8	41.6	40.1	11.12	11.13	9.88
WHOLESALE TRADE	329.76	332.82	293.36	38.3	38.7	38.0	8.61	8.60	7.72
RETAIL TRADE[f]	154.73	152.00	153.17	28.6	28.2	28.9	5.41	5.39	5.30
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MARCH 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1982[b]	February 1982[c]	March 1981[c]	February 1982	March 1981
TOTAL	188.5	185.4	196.5	1.7	- 4.1
MANUFACTURING	59.2	56.8	68.8	4.2	- 13.9
Durable Goods[e]	53.7	51.2	63.1	4.8	- 14.9
Stone, clay, and glass products	1.9	2.0	1.8	- 5.5	5.9
Primary metal industries	26.2	26.3	29.6	- .3	- 11.5
Blast furnace and basic steel products	14.3	14.4	15.1	- 1.0	- 5.0
Fabricated metal products	8.8	8.8	9.0	.7	- 2.0
Fabricated structural metal products	2.8	2.8	2.6	.2	4.3
Machinery, except electrical	5.3	5.3	5.7	- .9	- 7.2
Metalworking machinery	2.4	2.4	2.6	.3	- 8.9
Electric and electronic equipment	3.0	3.0	3.0	- 2.4	- 2.4
Transportation equipment	6.7	4.0	11.9	69.0	- 43.7
Nondurable Goods[f]	5.5	5.6	5.7	- 1.5	- 3.5
NONMANUFACTURING[g]	129.3	128.6	127.7	.5	1.3
CONSTRUCTION	5.1	5.1	5.6	1.7	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	8.8	8.9	8.9	- .4	- .6
Communication, electric, gas services	3.3	3.3	3.2	- .1	1.5
WHOLESALE TRADE	7.7	7.7	7.8	.5	- 1.7
RETAIL TRADE	35.0	34.6	35.1	1.0	- .4
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	6.9	.6	4.2
SERVICES	38.8	38.6	38.1	.5	2.0
GOVERNMENT	25.9	25.9	24.7	.1	5.0
Local government (includes education)	20.1	20.1	18.9[h]	- .1	6.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MARCH 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1982[b]	February 1982[c]	March 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]	Mar. 1982[b]	Feb. 1982[c]	Mar. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$458.63	$459.81	$472.12	39.3	39.3	40.7	$11.67	$11.70	$11.60
Durable Goods[d]	470.03	470.40	488.31	39.3	39.2	41.0	11.96	12.00	11.91
Stone, clay, and glass products	311.54	310.08	291.61	37.9	39.3	37.1	8.22	7.89	7.86
Primary metal industries	487.46	506.28	504.56	37.7	38.5	40.3	12.93	13.15	12.52
Blast furnace and basic steel products	503.50	537.82	535.92	37.8	39.2	40.6	13.32	13.72	13.20
Fabricated metal products	486.00	464.86	611.30	40.5	39.8	46.7	12.00	11.68	13.09
Fabricated structural metal products	343.16	334.08	367.47	37.3	36.0	38.6	9.20	9.28	9.52
Machinery, except electrical	447.14	448.06	423.83	39.5	39.2	38.6	11.32	11.43	10.98
Metalworking machinery	456.12	457.33	459.35	40.4	40.4	40.4	11.29	11.32	11.37
Electric and electronic equipment	370.96	364.81	329.24	40.9	40.4	40.2	9.07	9.03	8.19
Transportation equipment	521.67	505.36	483.11	43.4	41.8	40.7	12.02	12.09	11.87
Nondurable Goods[e]	332.37	340.40	285.75	39.9	40.0	38.1	8.33	8.51	7.50
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	518.26	517.45	548.73	36.6	37.2	39.0	14.16	13.91	14.07
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	413.20	414.86	396.35	40.0	40.2	42.3	10.33	10.32	9.37
WHOLESALE TRADE	330.62	325.65	317.18	39.5	39.0	40.2	8.37	8.35	7.89
RETAIL TRADE[f]	154.52	151.01	150.82	29.1	28.6	29.4	5.31	5.28	5.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities.	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate.	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \text{ x } \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
ALBERT G. GILES, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
APRIL 1982

Unemployment in Ohio, estimated at 606,000 in April, represented 12.0 percent of the civilian labor force—down from 616,000 (12.3 percent) in March. Total employment advanced 1.0 percent, to 4,444,000. Seasonal gains in nonmanufacturing lifted nonfarm payroll employment .7 percent, to 4,220,000.

Manufacturing employment in Ohio slipped 1.0 percent from March, to 1,137,000 in April. The automotive slump continued, with further layoffs in the manufacture of motor vehicles and automotive castings. Producers of other components, however—such as stamped-metal parts and hardware—reported increases. Lack of orders also led to curtailments in the production of basic steel, metalworking machinery, electrical industrial apparatus, and household appliances. Plant shutdowns were partially responsible for employment declines in glassware and food products.

Nonmanufacturing employment in April totaled 3,084,000 statewide, up 1.3 percent from March. Much of the increase occurred as amusement parks, drive-in theaters and outdoor refreshment stands began seasonal operations. Favorable weather prompted increases in construction and in Great Lakes shipping. Cutbacks in public education, however, lowered the government level.

Average weekly earnings of Ohio's factory production workers rose $2 from March, to $398 in April—on par with record levels of November-December 1981. The average workweek, at 39.9 hours, was unchanged. More overtime was reported by producers of motor vehicles, metal stampings, beverages, and textile-mill products. Overtime increases plus wage-rate hikes boosted earnings in dairy products. Higher hours and earnings averages in paper mills were attributable to overtime, plus holiday work at premium rates. Overtime curtailments, however, were reported by producers of construction machinery and communication equipment, and by commercial printers.

The number of jobless Ohioans rose by 220,000 between April 1981 and April 1982, lifting the unemployment rate from 7.6 to 12.0 percent. Total employment fell 4.9 percent over the year, as nonfarm payrolls slipped 2.4 percent. Most manufacturing industries were well below their April 1981 levels, with greatest job losses occurring in primary and fabricated metals, nonelectrical machinery, and transportation equipment. Nonmanufacturing was relatively unchanged as declines in government, construction, and retailing countered hiring in services and dispute settlements in coal mining. Average weekly earnings of factory production workers rose $11 over the year, despite a 1.1 hour reduction in the average workweek.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural establishments in the Akron area employed 255,400 wage and salary workers in April, up 2,100 from March. The increase was concentrated in seasonal nonmanufacturing industries, notably retail trade and services. Manufacturing rose fractionally, to 72,000 in April. The average factory production worker grossed $9.82 per hour for a workweek of 41.3 hours--little changed from March levels.

Canton.--April nonfarm payroll employment in Canton totaled 154,400, up 1,900 from March. Seasonal expansion in nonmanufacturing industries, chiefly retailing, services, and construction, was responsible for the gain. Manufacturing rose slightly, to 51,900 for the month. The average factory production workweek, at 38.1 hours, was down .6 hours. Average hourly earnings, at $9.96, were 5¢ lower than in March.

Cincinnati.--Workers on nonfarm payrolls in Cincinnati numbered 585,400 in April, up 5,800 from March. Seasonal hiring in services and retail trade lifted nonmanufacturing for April. Cutbacks in the production of durable goods--notably metalworking machinery--lowered manufacturing employment 500, to 150,500. Production workers in factories grossed $9.41 per hour, on par with March. Their average workweek rose .4 hours, to 40.3 hours in April.

Cleveland.--Cleveland's nonagricultural wage and salary employment advanced 5,600 from March, to 861,600 in April. Increases in services, retail trade, and construction boosted nonmanufacturing despite losses in government. Manufacturing employment decreased to 233,900, down 400 from March. The workweek and hourly earnings of the average factory production worker, at 39.8 hours and $9.97 an hour, were down .3 hours but up 4¢ for the month.

Columbus.--Nonfarm employment in the Columbus area totaled 504,000 in April, up 2,200 from March. Manufacturing slipped 700, to 88,500 for the month, with losses concentrated in durable goods. Nonmanufacturing expanded as services, construction, and retail trade gained seasonally. Earnings of factory production workers rose 6¢, to $9.18 an hour. Average weekly hours, at 39.6, were up .2 hours from the previous month.

Dayton.--Nonfarm establishments in the Dayton area employed 346,400 in April, up 1,100 from March. Nonmanufacturing accounted for the increase, as seasonal hiring in retail trade, construction, and services was moderated by cutbacks in government. Manufacturing employment dipped 400, to 90,800 in April, with much of the loss reported in nonelectrical machinery. The average workweek for factory production workers, at 40.0 hours, was half an hour longer than in March. Average hourly earnings rose 16¢, to $10.00 in April.

Toledo.--Toledo's nonagricultural wage and salary employment totaled 285,600 in April, up 2,200 from March. Nonmanufacturing was responsible for the gain, which was largely seasonal. Manufacturing decreased 200, to 68,500 for the month. Production workers in manufacturing industries grossed $10.80 per hour in April, unchanged from March. Their average workweek, at 40.7 hours, was .2 hours shorter.

Youngstown-Warren.--Nonfarm payroll employment in the Youngstown-Warren area decreased 300 from March, to 187,500 in April. Manufacturing--down 2,300, to 56,400 for the month--accounted for the loss, as cutbacks in basic steel and transportation equipment lowered durable goods. Most of the decrease was offset as nonmanufacturing expanded seasonally. The average workweek of factory production workers slipped .5 hours, to 38.6 hours in April. Hourly earnings decreased to $11.57, down 12¢ from March.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 5-18-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
April ...	259.7	157.2	596.9	880.5	506.8	354.0	292.7	198.4
May	262.7	158.1	599.1	885.3	510.3	354.7	295.3	203.0
June	259.4	158.9	600.5	893.2	512.7	355.2	298.1	204.4
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.4	154.4	585.4	861.6	504.0	346.4	285.6	187.5
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
April ...	76.6	55.1	158.0	247.7	93.4	97.9	75.3	69.2
May	76.6	55.4	158.6	248.0	94.1	98.3	75.3	69.8
June	77.3	55.9	160.1	251.3	94.4	98.4	76.1	69.9
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	72.0	51.9	150.5	233.9	88.5	90.8	68.5	56.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
MANUFACTURING PRODUCTION WORKERS (in thousands)								
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
April ...	45.1	40.0	104.2	163.7	61.4	64.7	49.9	52.8
May	44.9	40.2	104.4	164.0	62.0	64.9	49.9	53.3
June	45.1	40.6	105.5	166.2	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.4	36.3	97.8	148.7	57.0	58.2	44.6	40.8
MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS								
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
April ...	42.1	40.0	40.8	41.1	39.7	41.9	40.8	41.3
May	42.4	40.1	41.4	41.5	39.9	41.7	41.2	40.7
June	42.4	40.4	41.3	42.0	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.6	39.5	41.6	40.4	40.4
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.3	39.1
April ...	41.3	38.1	40.3	39.8	39.6	40.0	40.7	38.6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS								
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
April ...	9.36	9.67	8.61	9.54	8.55	9.51	9.72	11.65
May	9.50	9.67	8.70	9.60	8.55	9.48	9.76	11.61
June	9.53	9.76	8.69	9.79	8.65	9.67	9.97	11.70
July	9.57	9.73	8.73	9.65	8.59	9.63	9.91	11.65
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.82	9.96	9.41	9.97	9.18	10.00	10.80	11.57
MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS								
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.19	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
April ...	394.06	386.80	351.29	392.09	339.44	398.47	396.58	481.15
May	402.80	387.77	360.18	398.40	341.15	395.32	402.11	472.53
June	404.07	394.30	358.90	411.18	345.14	410.98	411.76	484.38
July	400.98	387.25	357.06	391.79	339.31	400.61	400.36	470.66
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	405.57	379.48	379.22	396.81	363.53	400.00	439.56	446.60

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	297.8	281.1	16.7	5.6	1978	179.2	169.4	9.8	5.5
1979	302.7	284.3	18.3	6.1	1979	183.6	173.1	10.5	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
March	298.2	271.2	27.0	9.1	March	186.1	168.2	17.9	9.6
April	300.4	278.1	22.3	7.4	April	186.9	172.6	14.3	7.7
May	308.4	283.6	24.8	8.0	May	191.0	175.6	15.3	8.0
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March[p]	296.8	261.4	35.3	11.9	March[p]	187.4	162.0	25.5	13.6
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	918.1	875.2	43.0	4.7
1979	657.9	622.9	35.1	5.3	1979	932.2	885.7	46.5	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
March	672.8	616.5	56.2	8.4	March	924.2	847.1	77.1	8.3
April	679.3	630.5	48.9	7.2	April	927.7	864.5	63.3	6.8
May	688.1	636.6	51.4	7.5	May	942.6	875.3	67.3	7.1
June	684.9	629.9	55.0	8.0	June	942.1	869.6	72.6	7.7
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March[p]	664.4	591.4	73.0	11.0	March[p]	905.4	812.8	92.6	10.2

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1980 are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.4	425.5	19.9	4.5	1971	349.3	326.0	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.6	336.3	17.3	4.9
1973	485.3	468.2	17.1	3.5	1973	357.9	343.4	14.5	4.0
1974	494.7	474.7	19.9	4.0	1974	358.9	341.9	17.0	4.7
1975	493.5	457.1	36.4	7.4	1975	356.5	326.7	29.8	8.4
1976	501.7	466.7	35.0	7.0	1976	359.2	335.0	24.1	6.7
1977	511.1	481.2	29.9	5.9	1977	366.6	346.4	20.2	5.5
1978	529.4	504.6	24.8	4.7	1978	379.6	362.3	17.3	4.6
1979	540.9	515.1	25.7	4.8	1979	390.6	366.5	24.1	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
March	557.2	515.9	41.3	7.4	March	387.2	357.1	30.2	7.8
April	559.4	525.0	34.4	6.1	April	388.2	363.3	24.9	6.4
May	571.5	533.4	38.0	6.7	May	396.4	368.4	27.9	7.1
June	569.3	528.1	41.2	7.2	June	393.2	363.4	29.8	7.6
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September	561.3	511.9	49.4	8.8	September	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October	389.7	356.4	33.3	8.5
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February	547.5	498.2	49.4	9.0	February	383.4	341.7	41.7	10.9
March[p]	554.0	502.6	51.4	9.3	March[p]	387.1	341.8	45.3	11.7
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.0	207.1	17.9	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.4	221.7	10.7	4.6
1974	343.8	324.2	19.7	5.7	1974	236.3	223.3	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.0	209.1	26.9	11.4
1976	347.3	318.5	28.8	8.3	1976	233.4	209.8	23.6	10.1
1977	353.9	328.5	25.4	7.2	1977	233.0	214.0	18.9	8.1
1978	361.2	338.8	22.4	6.2	1978	234.3	216.6	17.7	7.5
1979	366.4	340.1	26.3	7.2	1979	236.2	219.1	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
March	363.5	323.6	39.9	11.0	March	231.8	204.1	27.7	11.9
April	364.9	333.1	31.8	8.7	April	229.7	208.6	21.1	9.2
May	373.2	339.6	33.6	9.0	May	235.4	214.3	21.1	8.9
June	373.9	339.2	34.7	9.3	June	234.5	212.3	22.1	9.4
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September	365.7	324.9	40.8	11.2	September	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October	230.2	204.9	25.3	11.0
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February	355.7	310.0	45.7	12.8	February	232.8	187.2	45.6	19.6
March[p]	359.7	312.0	47.7	13.3	March[p]	231.7	190.6	41.2	17.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1980 are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
April ...	5,058	4,672	386	7.6	7.0
May	5,167	4,752	414	8.0	7.1
June	5,144	4,707	437	8.5	7.7
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
April ...	4,326.0	1,243.3	3,082.7
May	4,356.7	1,247.2	3,109.6
June	4,384.6	1,256.2	3,128.4
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,220.2	1,136.5	3,083.7

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	[illegible]9.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
April ...	22.7	150.6	217.0	230.2	709.5	204.0	854.3	694.4
May	23.1	155.6	217.8	230.4	719.0	204.6	859.3	699.6
June	31.6	161.6	220.0	232.6	720.5	206.4	870.0	685.6
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.3	138.6	213.9	229.5	700.2	205.2	882.1	681.9

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
April ...	1,243.3	870.4	373.0	858.6	332.3	35.2
May	1,247.2	873.2	373.9	861.9	337.1	35.6
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,136.5	780.5	356.0	763.2	303.9	30.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
April ...	387.04	398.93	354.14	41.0	41.0	40.8	9.44	9.73	8.68
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	398.20	406.93	374.53	39.9	39.7	40.1	9.98	10.25	9.34

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
April ...	61.5	140.7	156.3	205.8	101.8	141.3	69.6	66.0	90.0
May	61.9	140.8	157.3	206.1	102.2	141.5	69.3	66.0	90.4
June	62.8	141.4	158.6	206.7	103.3	142.3	70.5	66.1	90.7
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.2	121.0	139.6	186.6	95.8	123.4	67.5	64.7	81.2
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
April ...	337.77	495.76	388.95	379.76	350.06	460.24	353.83	337.42	370.71
May	345.24	488.04	395.38	386.88	348.35	469.42	364.50	344.42	366.80
June	348.02	496.69	400.46	393.12	350.33	492.20	357.62	348.91	375.84
July	349.57	486.38	385.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	372.10	465.08	399.40	388.08	360.64	495.10	382.17	351.34	378.68

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	4220.2	4192.5	4326.0	.7	- 2.4
MANUFACTURING	1136.5	1147.4	1243.3	- 1.0	- 8.6
Durable Goods[e]	780.5	789.7	870.4	- 1.2	- 10.3
Lumber and wood products	12.9	12.5	14.0	3.0	- 7.6
Furniture and fixtures	13.7	13.8	15.2	- .6	- 9.7
Household furniture	6.3	6.3	7.3	- .1	- 14.4
Stone, clay, and glass products	54.2	54.5	61.5	- .6	- 11.9
Glass and glassware, pressed or blown	13.5	13.9	15.1	- 3.1	- 10.7
Structural clay products	4.4	4.3	5.8	3.7	- 24.3
Pottery and related products	5.7	6.0	6.8	- 5.2	- 16.5
Primary metal industries	121.0	122.6	140.7	- 1.3	- 14.0
Blast furnace and basic steel products	63.1	64.0	73.2	- 1.5	- 13.8
Iron and steel foundries	24.9	25.7	29.3	- 2.8	- 14.9
Nonferrous rolling and drawing	17.7	17.3	20.4	2.0	- 13.3
Nonferrous foundries	8.7	8.9	10.1	- 2.4	- 14.3
Fabricated metal products	139.6	140.3	156.3	- .5	- 10.7
Cutlery, hand tools, and hardware	11.4	11.1	13.4	2.1	- 14.9
Plumbing and heating, except electric	4.2	4.4	5.1	- 4.3	- 17.8
Fabricated structural metal products	33.2	33.5	36.0	- 1.0	- 7.9
Screw machine products, bolts, etc.	9.7	9.8	10.5	- 1.8	- 8.0
Metal forgings and stampings	39.0	38.6	46.0	1.2	- 15.2
Machinery, except electrical	186.6	189.0	205.8	- 1.3	- 9.4
Construction and related machinery	22.6	22.6	26.1	- .2	- 13.3
Metalworking machinery	50.1	50.8	55.7	- 1.5	- 10.1
Special industry machinery	20.0	20.1	21.5	- .6	- 7.1
General industrial machinery	35.9	36.4	39.5	- 1.2	- 9.1
Electric and electronic equipment	95.8	96.9	101.8	- 1.2	- 5.9
Electrical industrial apparatus	21.5	22.2	24.2	- 2.9	- 10.8
Household appliances	15.1	15.7	17.8	- 3.3	- 15.1
Electric lighting and wiring equipment	19.6	19.4	19.3	1.0	1.8
Communication equipment	12.0	12.0	11.7	.2	2.4
Transportation equipment	123.4	126.9	141.3	- 2.8	- 12.7
Motor vehicles and equipment	78.1	81.6	94.6	- 4.3	- 17.4
Aircraft and parts	36.6	36.4	37.2	.5	- 1.5
Instruments and related products	20.2	20.3	21.1	- .3	- 4.0
Measuring and controlling devices	12.1	12.1	13.0	.5	- 6.5
Nondurable Goods[f]	356.0	357.7	373.0	- .5	- 4.5
Food and kindred products	67.5	68.0	69.6	- .7	- 2.9
Meat products	11.1	11.3	11.9	- 1.8	- 7.0
Dairy products	11.2	11.3	11.8	- .6	- 4.9
Bakery products	11.2	11.0	11.6	1.4	- 3.6
Beverages	10.7	10.5	10.9	2.0	- 1.4
Textile mill products	4.5	4.4	4.9	2.4	- 7.0
Apparel and other textile products	16.7	16.9	16.9	- 1.4	- 1.2
Paper and allied products	35.7	36.1	38.1	- 1.1	- 6.3
Paper mills, except building paper	9.0	9.2	9.9	- 2.5	- 9.6
Misc. converted paper products	11.6	11.6	11.7	- .4	- 1.0
Paperboard containers and boxes	12.0	11.9	13.0	.8	- 7.5
Printing and publishing	64.7	65.2	66.0	- .7	- 1.9
Newspapers	19.3	19.4	19.2	- .6	.4
Commercial printing	24.0	24.2	25.5	- .8	- 5.8
Chemicals and allied products	67.0	66.8	67.8	.2	- 1.3
Industrial inorganic chemicals	12.8	12.8	12.9	.0	- 1.3
Plastics materials and synthetics	9.5	9.5	9.7	.3	- 1.9
Petroleum and coal products	13.2	13.2	14.1	.0	- 6.7
Rubber and misc. plastics products	81.2	81.6	90.0	- .5	- 9.8
Tires and inner tubes	22.8	22.9	25.0	- .5	- 8.8
Miscellaneous plastics products	39.1	39.4	44.5	- .8	- 12.3
Leather and leather products	5.3	5.2	5.4	.7	- 2.2

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	\$398.20	\$395.81	\$387.04	39.9	39.9	41.0	\$ 9.98	\$ 9.92	\$ 9.44
Durable Goods[d]	406.93	406.36	398.93	39.7	39.8	41.0	10.25	10.21	9.73
Lumber and wood products	271.74	274.12	248.71	38.6	38.5	38.8	7.04	7.12	6.41
Furniture and fixtures	286.73	293.53	262.00	38.8	39.4	38.7	7.39	7.45	6.77
Household furniture	251.94	258.13	226.31	38.0	38.7	38.1	6.63	6.67	5.94
Stone, clay, and glass products	372.10	371.18	337.77	40.8	40.7	40.5	9.12	9.12	8.34
Glass and glassware, pressed or blown	364.23	367.44	354.12	38.3	38.8	39.7	9.51	9.47	8.92
Structural clay products	291.20	288.75	269.87	41.6	40.9	40.4	7.00	7.06	6.68
Pottery and related products	296.76	290.67	266.82	37.9	37.7	37.9	7.83	7.71	7.04
Primary metal industries	465.08	466.29	495.76	38.5	38.6	42.3	12.08	12.08	11.72
Blast furnace and basic steel products	491.63	494.62	555.56	37.5	37.7	43.1	13.11	13.12	12.89
Iron and steel foundries	441.67	441.61	412.85	39.4	39.5	40.2	11.21	11.18	10.27
Nonferrous rolling and drawing	473.14	469.09	497.99	39.2	38.8	42.6	12.07	12.09	11.69
Nonferrous foundries	335.07	341.74	333.73	39.7	40.3	41.1	8.44	8.48	8.12
Fabricated metal products	399.40	393.03	388.95	39.9	39.7	40.6	10.01	9.90	9.58
Cutlery, hand tools, and hardware	386.84	391.60	387.84	38.8	40.0	38.4	9.97	9.79	10.10
Plumbing and heating, except electric	335.71	313.04	323.44	38.9	36.4	39.3	8.63	8.60	8.23
Fabricated structural metal products	358.02	356.33	328.18	39.3	39.2	38.7	9.11	9.09	8.48
Screw machine products, bolts, etc.	335.34	336.87	352.76	38.5	38.9	40.5	8.71	8.66	8.71
Metal forgings and stampings	483.03	465.56	485.50	40.9	40.1	42.7	11.81	11.61	11.37
Machinery, except electrical	388.08	390.98	379.76	39.6	40.1	41.1	9.80	9.75	9.24
Construction and related machinery	390.85	404.61	378.68	39.4	40.1	40.5	9.92	10.09	9.35
Metalworking machinery	378.50	380.63	378.14	38.9	39.2	41.6	9.73	9.71	9.09
Special industry machinery	365.60	367.52	357.84	40.0	40.7	42.6	9.14	9.03	8.40
General industrial machinery	385.89	395.79	366.76	38.9	40.1	39.1	9.92	9.87	9.38
Electric and electronic equipment	360.64	361.43	350.06	39.2	39.5	40.8	9.20	9.15	8.58
Electrical industrial apparatus	349.71	345.98	363.80	38.9	38.4	42.5	8.99	9.01	8.56
Household appliances	365.43	363.87	345.63	39.0	39.0	39.5	9.37	9.33	8.75
Electric lighting and wiring equipment	350.22	346.02	320.40	39.0	39.5	40.1	8.98	8.76	7.99
Communication equipment	393.35	409.46	398.55	39.1	40.5	41.3	10.06	10.11	9.65
Transportation equipment	495.10	485.44	460.24	41.5	41.0	41.5	11.93	11.84	11.09
Motor vehicles and equipment	518.75	505.12	486.78	41.6	40.9	42.0	12.47	12.35	11.59
Aircraft and parts	436.97	436.81	388.23	40.8	40.9	39.9	10.71	10.68	9.73
Instruments and related products	288.51	281.46	253.49	39.2	39.2	38.7	7.36	7.18	6.55
Measuring and controlling devices	292.39	284.86	257.67	39.3	39.4	39.1	7.44	7.23	6.59
Nondurable Goods[e]	374.53	370.93	354.14	40.1	40.1	40.8	9.34	9.25	8.68
Food and kindred products	382.17	377.29	353.83	40.7	40.7	41.0	9.39	9.27	8.63
Meat products	419.23	414.32	396.47	40.9	40.9	41.0	10.25	10.13	9.67
Dairy products	378.86	366.35	336.33	43.2	42.5	42.2	8.77	8.62	7.97
Bakery products	358.36	366.03	340.57	38.7	39.7	40.4	9.26	9.22	8.43
Beverages	344.66	323.74	316.01	39.3	37.6	39.8	8.77	8.61	7.94
Textile mill products	277.30	257.28	266.50	40.6	39.1	41.0	6.83	6.58	6.50
Apparel and other textile products	215.87	218.46	199.06	36.9	37.6	37.0	5.85	5.81	5.38
Paper and allied products	395.76	375.62	361.09	43.3	42.3	43.4	9.14	8.88	8.32
Paper mills, except building paper	547.69	467.62	451.24	49.7	45.4	47.7	11.02	10.30	9.46
Misc. converted paper products	327.60	329.67	312.42	40.0	40.6	41.0	8.19	8.12	7.62
Paperboard containers and boxes	345.26	341.12	323.29	41.2	41.0	41.5	8.38	8.32	7.79
Printing and publishing	351.34	357.00	337.42	37.1	37.5	37.7	9.47	9.52	8.95
Newspapers	323.61	319.07	311.08	32.2	32.1	33.2	10.05	9.94	9.37
Commercial printing	364.43	376.36	353.34	38.2	38.8	39.0	9.54	9.70	9.06
Chemicals and allied products	405.42	405.37	383.88	40.3	40.7	41.5	10.06	9.96	9.25
Industrial inorganic chemicals	435.30	432.19	411.10	41.3	41.2	41.4	10.54	10.49	9.93
Plastics materials and synthetics	439.50	442.26	415.15	42.3	42.0	43.2	10.39	10.53	9.61
Petroleum and coal products	598.88	586.45	525.31	44.1	43.7	43.2	13.58	13.42	12.16
Rubber and misc. plastics products	378.68	376.25	370.71	40.5	40.5	41.7	9.35	9.29	8.89
Tires and inner tubes	530.19	528.04	489.46	43.0	43.0	43.2	12.33	12.28	11.33
Miscellaneous plastics products	344.18	340.34	362.37	39.2	39.3	41.7	8.78	8.66	8.69
Leather and leather products	192.31	176.30	173.76	36.7	34.1	35.9	5.24	5.17	4.84

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
APRIL 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
NONMANUFACTURING	3083.7	3045.1	3082.7	1.3	.0
MINING	32.3	31.8	22.7	1.8	42.2
Bituminous coal and lignite mining	14.2	14.0	5.9[h]	1.9	143.1
CONSTRUCTION	138.6	128.4	150.6	7.9	-8.0
General building contractors	33.4	30.8	36.3	8.3	-8.0
Heavy construction contractors	21.7	18.5	22.9	17.5	-5.1
TRANSPORTATION AND PUBLIC UTILITIES	213.9	211.9	217.0	1.0	-1.4
Railroad transportation	23.7	23.4	26.3	1.7	-9.7
Transportation, except railroads	94.3	92.7	95.5	1.7	-1.3
Trucking and warehousing	70.8	70.4	72.0	.7	-1.7
Communication, electric, gas services	95.8	95.8	95.2	.1	.7
Communication	54.9	54.9	54.7	-.1	.3
Electric, gas, and sanitary services	41.0	40.9	40.5	.2	1.3
WHOLESALE TRADE	229.5	228.8	230.2	.3	-.3
Wholesale trade-durable goods	147.9	147.7	148.7	.1	-.5
Motor vehicles & automotive equipment	20.5	20.4	21.2	.7	-3.0
Electrical goods	19.3	19.3	19.4	.3	-.5
Machinery, equipment, and supplies	62.1	62.4	61.9	-.5	.2
Wholesale trade-nondurable goods	81.6	81.0	81.5	.7	.1
Groceries and related products	24.1	23.9	23.8	.5	1.2
RETAIL TRADE	700.2	687.3	709.5	1.9	-1.3
General merchandise stores	109.1	109.2	116.3	-.1	-6.2
Department stores	99.5	99.6	105.9	-.2	-6.1
Food stores	115.6	114.6	116.3	.8	-.6
Automotive dealers & service stations	70.6	70.3	74.1	.4	-4.7
Apparel and accessory stores	34.4	34.0	34.7	.9	-.9
FINANCE, INSURANCE, AND REAL ESTATE	205.2	204.6	204.0	.3	.6
Banking	58.9	59.0	58.9	-.1	.0
Credit agencies other than banks	30.6	30.6	30.8	-.2	-.6
Insurance carriers	58.8	59.0	58.5	-.3	.6
SERVICES	882.1	866.5	854.3	1.8	3.3
Hotels and other lodging places	31.3	30.4	30.3	3.0	3.3
Laundry, cleaning, & garment services	17.1	17.0	17.5	.7	-2.4
Business services	129.5	128.0	124.5	1.2	4.0
Health services	309.1	307.3	292.1	.6	5.8
Hospitals	171.0	170.5	162.5	.3	5.2
GOVERNMENT	681.9	685.9	694.4	-.6	-1.8
Federal government	88.1	88.4	89.6	-.3	-1.7
State government	146.0	147.1	146.4	-.7	-.2
State government, except education	71.3	71.5	71.4	-.2	-.1
State government education[i]	74.7	75.6	75.0	-1.2	-.3
Local government	447.8	450.5	458.4	-.6	-2.3
Local government, except education	184.6	184.0	190.8	.3	-3.2
Local government education	263.2	266.5	267.6	-1.2	-1.6

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
APRIL 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$436.22	$445.01	$364.32	42.6	43.5	44.0	$10.24	$10.23	$ 8.28
Bituminous coal and lignite mining	522.46	533.95	457.71	42.1	43.2	41.8	12.41	12.36	10.95
CONSTRUCTION	523.11	523.98	484.90	37.1	36.9	37.3	14.10	14.20	13.00
General building contractors	461.97	460.79	447.98	35.4	35.5	36.6	13.05	12.98	12.24
Heavy construction contractors	572.77	587.70	474.13	41.0	41.3	37.9	13.97	14.23	12.51
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	444.44	454.04	434.68	36.4	37.4	37.7	12.21	12.14	11.53
Communication, electric, gas services	419.76	415.27	390.40	40.4	40.2	41.4	10.39	10.33	9.43
Communication	407.48	405.43	380.89	39.6	39.4	41.0	10.29	10.29	9.29
Electric, gas, and sanitary services	438.05	430.15	404.04	41.6	41.4	42.0	10.53	10.39	9.62
WHOLESALE TRADE	304.54	304.55	289.84	38.5	38.6	38.8	7.91	7.89	7.47
Wholesale trade—durable goods	298.76	299.54	287.73	38.6	38.8	39.2	7.74	7.72	7.34
Motor vehicles & automotive equipment	252.97	247.75	273.15	37.7	37.2	38.8	6.71	6.66	7.04
Electrical goods	249.87	256.36	239.57	36.8	37.7	37.2	6.79	6.80	6.44
Machinery, equipment, and supplies	329.47	326.19	301.02	39.6	39.3	39.4	8.32	8.30	7.64
Wholesale trade—nondurable goods	314.77	313.62	293.75	38.2	38.2	38.1	8.24	8.21	7.71
Groceries and related products	335.86	341.30	327.24	39.7	40.2	40.6	8.46	8.49	8.06
RETAIL TRADE[f]	149.81	150.15	149.48	28.7	28.6	29.6	5.22	5.25	5.05
General merchandise stores	149.81	151.44	150.09	28.7	28.9	30.2	5.22	5.24	4.97
Department stores	151.54	152.93	151.60	28.7	28.8	30.2	5.28	5.31	5.02
Food stores	218.27	220.43	230.71	30.4	30.7	33.1	7.18	7.18	6.97
Automotive dealers & service stations	197.74	196.84	201.78	37.1	37.0	38.0	5.33	5.32	5.31
Apparel and accessory stores	113.94	109.82	110.68	27.0	26.4	26.8	4.22	4.16	4.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	197.03	196.61	183.11	....	....	....	....	....	....
Credit agencies other than banks	198.42	198.18	187.34	....	....	....	....	....	....
Insurance carriers	268.97	267.68	245.66	....	....	....	....	....	....
SERVICES	.....	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	256.03	255.02	230.50	33.6	33.6	33.6	7.62	7.59	6.86
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	255.4	253.4	259.7	.8	- 1.6
MANUFACTURING	72.0	71.9	76.6	.1	- 6.0
Durable Goods[e]	36.0	35.7	38.0	.7	- 5.3
Stone, clay, and glass products	1.7	1.8	1.9	- 4.8	- 12.3
Fabricated metal products	13.5	13.4	14.6	1.2	- 7.4
Machinery, except electrical	9.9	9.9	10.8	.5	- 7.9
Special industry machinery	1.9	1.9	2.1	- .1	- 7.0
Nondurable Goods[f]	36.0	36.1	38.6	- .5	- 6.7
Food and kindred products	2.9	2.9	3.0	- .7	- 5.2
Chemicals and allied products	3.6	3.6	3.7	- .2	- 2.7
Rubber and misc. plastics products	24.4	24.6	26.8	- .6	- 8.9
Tires and inner tubes	18.7	18.8	20.8	- .6	- 10.3
NONMANUFACTURING[g]	183.5	181.5	183.1	1.1	.2
CONSTRUCTION	6.6	6.2	7.0	7.1	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.7	13.9	.4	- 1.2
Communication, electric, gas services ..	5.5	5.5	5.4	.0	1.3
WHOLESALE TRADE	12.2	12.1	12.0	.3	1.2
RETAIL TRADE	44.9	44.0	45.0	2.0	- .4
FINANCE, INSURANCE, AND REAL ESTATE	9.1	9.1	9.2	.1	- .1
SERVICES	52.6	51.8	51.0	1.6	3.1
GOVERNMENT	43.8	44.0	44.4	- .6	- 1.4
State government (includes education) ..	14.4	14.5	14.0	- .5	2.8
Local government (includes education) ..	27.2	27.4	28.3	- .6	- 3.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$405.57	$405.00	$394.06	41.3	41.2	42.1	$ 9.82	$ 9.83	$ 9.36
Durable Goods[d]	394.15	395.38	385.35	41.1	41.1	42.3	9.59	9.62	9.11
Stone, clay, and glass products	389.16	379.13	352.78	42.3	41.3	41.7	9.20	9.18	8.46
Fabricated metal products	394.76	396.73	388.40	40.2	40.4	40.5	9.82	9.82	9.59
Machinery, except electrical	391.44	402.66	395.14	42.0	42.7	44.1	9.32	9.43	8.96
Special industry machinery	346.33	351.29	352.70	39.9	40.8	42.7	8.68	8.61	8.26
Nondurable Goods[e]	420.99	419.15	404.21	41.6	41.5	41.8	10.12	10.10	9.67
Food and kindred products	414.99	415.80	372.65	43.5	44.0	44.1	9.54	9.45	8.45
Chemicals and allied products	422.69	421.23	425.20	41.4	41.5	44.2	10.21	10.15	9.62
Rubber and misc. plastics products	445.60	444.35	422.26	42.6	42.4	42.1	10.46	10.48	10.03
Tires and inner tubes	552.76	553.58	496.94	43.8	43.9	43.1	12.62	12.61	11.53
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	489.94	515.69	496.27	35.4	36.6	38.5	13.84	14.09	12.89
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	417.11	415.84	386.57	40.3	40.1	41.3	10.35	10.37	9.36
WHOLESALE TRADE	283.19	281.86	278.52	38.9	38.4	38.9	7.28	7.34	7.16
RETAIL TRADE[f]	165.82	168.45	166.77	29.4	29.5	30.6	5.64	5.71	5.45
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	154.4	152.5	157.2	1.3	- 1.8
MANUFACTURING	51.9	51.8	55.1	.2	- 5.9
Durable Goods[e]	40.2	40.2	43.1	.1	- 6.7
Stone, clay, and glass products	2.1	2.0	2.1	5.2	1.0
Primary metal industries	12.5	12.4	14.3	.2	- 13.1
Fabricated metal products	9.2	9.3	10.2	- 1.0	- 9.8
Fabricated structural metal products	3.3	3.3	3.5	- 1.8	- 5.6
Metal forgings and stampings	2.4	2.5	3.1	- 1.1	- 22.5
Nondurable Goods[f]	11.6	11.6	12.0	.5	- 2.9
Food and kindred products	4.1	4.2	4.3	- 2.8	- 3.8
Rubber and misc. plastics products	2.9	2.8	3.1	5.1	- 4.9
NONMANUFACTURING[g]	102.5	100.7	102.1	1.8	.5
CONSTRUCTION	4.9	4.4	5.0	11.1	- 3.2
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.0	.4	.9
Communication, electric, gas services	3.0	3.0	2.9	- .5	3.1
WHOLESALE TRADE	7.3	7.2	7.3	1.2	- .6
RETAIL TRADE	25.8	25.2	25.8	2.6	- .1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.3	6.3	.5	1.7
SERVICES	30.6	30.1	30.1	1.8	1.8
GOVERNMENT	19.3	19.3	19.3	.0	- .3
Local government (includes education)	16.1	16.1	16.1	.0	.1

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$379.48	$387.39	$386.80	38.1	38.7	40.0	$ 9.96	$10.01	$ 9.67
Durable Goods[d]	382.39	391.04	396.00	37.6	38.3	40.0	10.17	10.21	9.90
Stone, clay, and glass products	252.44	267.53	257.48	38.6	39.4	42.7	6.54	6.79	6.03
Primary metal industries	415.51	428.98	497.54	34.8	35.6	41.6	11.94	12.05	11.96
Fabricated metal products	416.33	406.77	380.42	39.5	39.0	38.7	10.54	10.43	9.83
Fabricated structural metal products	386.46	388.05	325.94	39.8	39.8	35.7	9.71	9.75	9.13
Metal forgings and stampings	505.06	476.77	444.77	40.6	39.5	39.5	12.44	12.07	11.26
Nondurable Goods[e]	363.65	368.80	348.13	39.7	40.0	40.2	9.16	9.22	8.66
Food and kindred products	405.68	426.40	382.97	38.2	40.0	39.4	10.62	10.66	9.72
Rubber and misc. plastics products	387.14	385.71	369.74	45.6	45.7	45.2	8.49	8.44	8.18
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	490.32	493.51	449.45	35.3	35.1	36.1	13.89	14.06	12.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	422.42	434.25	390.73	40.5	41.2	41.7	10.43	10.54	9.37
WHOLESALE TRADE	288.79	290.70	269.22	37.8	38.2	37.6	7.64	7.61	7.16
RETAIL TRADE[f]	145.80	145.80	141.43	28.7	28.7	29.1	5.08	5.08	4.86
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	585.4	579.6	596.9	1.0	- 1.9
MANUFACTURING	150.5	150.9	158.0	- .3	- 4.8
Durable Goods[e]	83.0	83.7	88.1	- .9	- 5.8
Furniture and fixtures	2.2	2.3	2.5	- 1.6	- 11.2
Primary metal industries	2.4	2.3	2.1	5.6	12.1
Fabricated metal products	12.9	12.9	14.5	- .5	- 11.2
Fabricated structural metal products	4.2	4.2	4.6	- .1	- 8.3
Machinery, except electrical	24.2	24.7	25.6	- 2.1	- 5.4
Metalworking machinery	12.5	13.0	13.5	- 4.2	- 7.5
General industrial machinery	3.5	3.4	3.8	1.1	- 8.9
Electric and electronic equipment	8.2	8.3	8.7	- 1.0	- 5.7
Transportation equipment	22.3	22.6	24.9	- 1.0	- 10.2
Motor vehicles and equipment	7.8	8.0	8.7	- 2.0	- 10.3
Nondurable Goods[f]	67.4	67.2	69.9	.4	- 3.5
Food and kindred products	16.1	15.8	16.8	1.9	- 4.1
Meat products	2.4	2.4	2.5	- .3	- 6.0
Bakery products	2.5	2.4	2.5	3.1	- 2.3
Beverages	4.7	4.5	5.0	5.4	- 4.9
Apparel and other textile products	3.9	4.0	3.7	- 1.3	5.8
Paper and allied products	6.2	6.1	6.6	.9	- 6.7
Printing and publishing	11.6	11.6	12.0	- .5	- 3.1
Chemicals and allied products	22.1	22.0	21.9	.4	1.1
Rubber and misc. plastics products	3.9	4.0	4.4	- 1.9	- 11.5
NONMANUFACTURING[g]	435.0	428.7	438.9	1.5	- .9
CONSTRUCTION	20.5	19.7	22.4	4.0	- 8.5
TRANSPORTATION AND PUBLIC UTILITIES	32.8	32.7	33.2	.4	- 1.3
Communication, electric, gas services	14.3	14.2	14.1	.2	.8
WHOLESALE TRADE	37.6	37.7	37.8	- .1	- .5
RETAIL TRADE	100.2	97.7	101.6	2.5	- 1.5
FINANCE, INSURANCE, AND REAL ESTATE	32.0	32.0	32.4	- .1	- 1.5
Banking	7.4	7.4	7.4	.0	- .2
Insurance carriers	11.2	11.3	11.2	- .9	- .4
SERVICES	127.0	123.8	125.0	2.6	1.6
GOVERNMENT	84.6	84.9	86.1	- .3	- 1.7
Federal government	13.6	13.7	14.0	- 1.1	- 3.1
State government (includes education)	18.7	18.8	19.1	- .5	- 2.0
Local government	52.4	52.4	53.0	.0	- 1.2
Local government, except education	21.9	21.6	22.4	1.6	- 2.1
Local government education	30.5	30.8	30.6	- 1.1	- .5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$379.22	$375.46	$351.29	40.3	39.9	40.8	$ 9.41	$ 9.41	$ 8.61
Durable Goods[d]	363.09	361.03	338.18	39.9	39.5	40.5	9.10	9.14	8.35
Furniture and fixtures	245.64	254.89	249.28	34.5	35.5	38.0	7.12	7.18	6.56
Primary metal industries	333.80	328.16	365.74	35.7	35.4	39.2	9.35	9.27	9.33
Fabricated metal products	363.69	348.20	330.07	40.5	39.3	40.4	8.98	8.86	8.17
Fabricated structural metal products	321.20	298.34	292.41	40.0	38.2	40.5	8.03	7.81	7.22
Machinery, except electrical	328.64	327.94	314.34	38.8	38.4	40.3	8.47	8.54	7.80
Metalworking machinery	345.20	343.17	349.45	37.4	36.9	41.8	9.23	9.30	8.36
General industrial machinery	340.96	338.44	297.11	39.6	40.1	39.3	8.61	8.44	7.56
Electric and electronic equipment	289.93	292.70	249.10	39.5	39.5	38.8	7.34	7.41	6.42
Transportation equipment	496.39	496.51	451.86	41.4	41.0	41.8	11.99	12.11	10.81
Motor vehicles and equipment	567.72	576.02	533.82	41.5	41.5	44.3	13.68	13.88	12.05
Nondurable Goods[e]	396.42	392.69	367.98	40.7	40.4	41.3	9.74	9.72	8.91
Food and kindred products	464.77	442.39	411.84	42.6	41.0	41.6	10.91	10.79	9.90
Meat products	466.04	441.98	488.33	42.6	41.0	45.3	10.94	10.78	10.78
Bakery products	379.08	389.99	359.04	40.5	41.8	41.7	9.36	9.33	8.61
Beverages	425.21	404.63	349.59	43.3	41.5	38.8	9.82	9.75	9.01
Apparel and other textile products	223.65	234.43	209.98	37.4	39.4	38.6	5.98	5.95	5.44
Paper and allied products	353.64	324.40	312.07	41.9	40.0	40.9	8.44	8.11	7.63
Printing and publishing	370.74	388.09	342.38	38.3	39.4	38.0	9.68	9.85	9.01
Chemicals and allied products	433.70	451.31	420.23	40.8	42.1	43.1	10.63	10.72	9.75
Rubber and misc. plastics products	308.21	299.49	335.84	40.5	40.2	43.9	7.61	7.45	7.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	585.96	567.75	488.82	40.3	39.4	38.1	14.54	14.41	12.83
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	389.00	382.79	368.81	38.9	39.1	39.7	10.00	9.79	9.29
WHOLESALE TRADE	308.50	303.41	291.33	39.1	38.7	39.0	7.89	7.84	7.47
RETAIL TRADE[f]	149.80	151.04	148.01	29.2	29.5	29.9	5.13	5.12	4.95
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	195.07	193.87	184.48	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	861.6	856.0	880.5	.7	- 2.1
MANUFACTURING	233.9	234.3	247.7	- .2	- 5.6
Durable Goods[e]	167.5	167.7	181.0	- .1	- 7.4
Furniture and fixtures	2.1	2.2	2.4	- 2.9	- 9.3
Primary metal industries	26.9	27.1	29.4	- .4	- 8.5
Blast furnace and basic steel products	14.0	14.0	15.7	.0	- 10.6
Iron and steel foundries	6.2	6.3	6.7	- .7	- 6.5
Nonferrous foundries	3.0	3.0	2.9	- .6	3.0
Fabricated metal products	36.8	36.5	39.2	.7	- 6.2
Fabricated structural metal products	4.2	4.2	4.4	- 1.5	- 5.3
Screw machine products, bolts, etc.	5.7	5.8	5.8	- 1.1	- 1.6
Metal forgings and stampings	12.9	12.7	14.0	2.0	- 7.4
Machinery, except electrical	41.0	41.3	46.1	- .8	- 11.1
Construction and related machinery	6.5	6.5	8.2	.2	- 20.0
Metalworking machinery	14.6	14.7	16.5	- .6	- 11.4
Special industry machinery	4.3	4.3	4.6	- .7	- 6.2
General industrial machinery	3.4	3.4	3.9	- .7	- 12.4
Electric and electronic equipment	24.9	24.8	23.7[h]	.3	4.8
Electrical industrial apperatus	8.5	8.6	9.1	- 1.0	- 6.8
Transportation equipment	20.7	20.8	24.6	- .7	- 15.9
Motor vehicles and equipment	13.6	13.7	16.9	- 1.0	- 19.6
Instruments and related products	6.5	6.5	6.5	- .3	- .6
Nondurable Goods[f]	66.4	66.6	66.7	- .2	- .5
Food and kindred products	8.1	8.2	8.4	- 1.7	- 3.9
Bakery products	1.8	1.8	1.9	- 1.1	- 2.1
Beverages	1.6	1.5	1.6	1.0	- 2.8
Apparel and other textile products	5.3	5.3	5.6	- .1	- 3.8
Paper and allied products	5.0	5.0	5.0	.1	- 1.3
Printing and publishing	15.7	15.7	15.0	.3	4.5
Chemicals and allied products	15.4	15.5	16.0	- .5	- 3.7
Industrial inorganic chemicals	4.0	4.0	4.2	.1	- 5.0
Rubber and misc. plastics products	10.6	10.7	10.7	- .9	- 1.6
NONMANUFACTURING[g]	627.6	621.7	632.8	1.0	- .8
CONSTRUCTION	25.6	24.2	26.9	5.8	- 4.9
TRANSPORTATION AND PUBLIC UTILITIES	44.3	43.4	44.8	2.0	- 1.2
Communication, electric, gas services	20.0	20.0	19.6	.1	2.3
WHOLESALE TRADE	61.1	61.0	62.5	.2	- 2.2
RETAIL TRADE	133.9	131.9	136.4	1.5	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	47.4	47.6	47.6	- .4	- .4
Banking	13.4	13.4	13.8	- .2	- 2.6
Insurance carriers	11.7	11.8	11.7	- 1.2	- .4
SERVICES	196.9	194.2	192.5	1.4	2.3
GOVERNMENT	117.1	118.2	120.9	- .9	- 3.1
Federal government	19.1	19.2	20.0	- .6	- 4.6
State government (includes education)	7.8	8.0	7.9	- 2.5	- 1.4
Local government	90.3	91.0	93.0	- .8	- 2.9
Local government, except education	45.4	45.5	44.7	- .2	1.5
Local government education	44.8	45.5	48.3	- 1.5	- 7.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$396.81	$398.19	$392.09	39.8	40.1	41.1	$ 9.97	$ 9.93	$ 9.54
Durable Goods[d]	416.40	416.07	411.68	40.0	40.2	41.5	10.41	10.35	9.92
Furniture and fixtures	295.07	309.96	300.94	39.5	41.0	43.3	7.47	7.56	6.95
Primary metal industries	464.26	463.87	487.77	38.4	38.4	42.6	12.09	12.08	11.45
Blast furnace and basic steel products	474.96	482.66	556.84	35.9	36.4	42.9	13.23	13.26	12.98
Iron and steel foundries	569.78	547.76	498.62	42.3	41.0	42.4	13.47	13.36	11.76
Nonferrous foundries	312.53	312.98	308.85	37.7	37.8	38.8	8.29	8.28	7.96
Fabricated metal products	421.46	409.05	396.06	40.8	40.3	41.0	10.33	10.15	9.66
Fabricated structural metal products	344.42	333.52	325.60	41.1	39.8	40.0	8.38	8.38	8.14
Screw machine products, bolts, etc.	348.38	346.14	349.52	39.1	39.2	40.5	8.91	8.83	8.63
Metal forgings and stampings	536.74	509.63	499.05	42.7	41.4	42.8	12.57	12.31	11.66
Machinery, except electrical	399.74	408.64	399.75	39.5	40.3	41.0	10.12	10.14	9.75
Construction and related machinery	437.80	483.39	423.06	39.3	41.6	40.1	11.14	11.62	10.55
Metalworking machinery	390.04	392.03	394.78	39.2	39.8	41.6	9.95	9.85	9.49
Special industry machinery	406.76	406.18	375.65	39.8	39.9	39.5	10.22	10.18	9.51
General industrial machinery	400.72	396.60	391.00	40.6	39.7	42.5	9.87	9.99	9.20
Electric and electronic equipment	340.34	344.05	359.07	39.3	39.5	42.9	8.66	8.71	8.37
Electrical industrial apparatus	347.80	334.88	408.00	37.6	36.4	44.3	9.25	9.20	9.21
Transportation equipment	514.79	510.56	474.35	42.3	42.3	41.5	12.17	12.07	11.43
Motor vehicles and equipment	551.23	527.52	502.95	43.2	41.8	42.3	12.76	12.62	11.89
Instruments and related products	321.15	317.83	292.58	40.6	40.8	40.3	7.91	7.79	7.26
Nondurable Goods[e]	340.34	345.07	328.35	39.3	39.8	39.8	8.66	8.67	8.25
Food and kindred products	374.10	347.09	332.49	41.2	40.5	40.4	9.08	8.57	8.23
Bakery products	350.95	393.02	340.75	39.3	41.9	39.9	8.93	9.38	8.54
Beverages	305.27	298.38	283.91	39.8	38.7	40.1	7.67	7.71	7.08
Apparel and other textile products	244.28	244.60	222.53	36.9	37.4	37.4	6.62	6.54	5.95
Paper and allied products	355.31	353.22	325.62	40.7	40.6	40.4	8.73	8.70	8.06
Printing and publishing	356.42	375.51	356.02	37.4	38.2	38.2	9.53	9.83	9.32
Chemicals and allied products	410.00	399.74	392.89	41.0	40.5	41.4	10.00	9.87	9.49
Industrial inorganic chemicals	392.24	390.06	391.17	39.5	39.4	39.0	9.93	9.90	10.03
Rubber and misc. plastics products	292.25	321.37	293.64	39.6	41.9	41.3	7.38	7.67	7.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	576.06	571.33	537.49	37.7	36.6	37.3	15.28	15.61	14.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	449.25	442.20	415.07	40.4	40.2	41.3	11.12	11.00	10.05
WHOLESALE TRADE	317.98	327.60	304.55	37.9	39.0	38.6	8.39	8.40	7.89
RETAIL TRADE[f]	158.44	159.02	157.54	27.7	27.8	28.8	5.72	5.72	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	228.05	225.04	212.17	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	504.0	501.8	506.8	.4	-.5
MANUFACTURING	88.5	89.2	93.4	-.8	-5.2
Durable Goods[e]	55.5	56.1	59.6	-1.0	-6.9
Stone, clay, and glass products	8.8	9.0	9.9	-1.7	-11.4
Fabricated metal products	9.3	9.3	11.7	.4	-20.7
Machinery, except electrical	10.9	11.2	11.8	-2.4	-7.2
Electric and electronic equipment	11.6	11.6	11.8	-.5	-2.0
Transportation equipment	6.5	6.6	5.5	-1.2	19.0
Nondurable Goods[f]	33.0	33.1	33.8	-.4	-2.3
Food and kindred products	10.7	10.6	10.5	.7	1.6
Printing and publishing	8.5	8.6	8.7	-1.7	-2.6
Chemicals and allied products	6.0	6.0	6.0	.0	-.2
Rubber and misc. plastics products	2.8	2.8	3.2	-2.3	-12.9
NONMANUFACTURING[g]	415.5	412.6	413.4	.7	.5
CONSTRUCTION	16.0	15.2	17.5	5.5	-8.3
TRANSPORTATION AND PUBLIC UTILITIES	23.8	23.6	24.2	.6	-1.9
Communication, electric, gas services	11.5	11.5	11.4	.1	.3
WHOLESALE TRADE	27.5	27.4	27.1	.3	1.4
RETAIL TRADE	92.0	91.5	90.7	.6	1.5
FINANCE, INSURANCE, AND REAL ESTATE	40.6	40.5	38.9	.2	4.4
Banking	8.0	8.1	7.8	-.9	3.1
Insurance carriers	17.7	17.6	17.1	.5	3.7
SERVICES	111.4	109.9	108.2	1.3	2.9
GOVERNMENT	103.4	103.7	106.0	-.3	-2.5
Federal government	11.5	11.5	11.4	-.3	.4
State government	49.3	49.5	49.8	-.4	-.9
State government, except education	29.2	29.3	28.9	-.4	.9
State government education[i]	20.2	20.3	20.9	-.5	-3.4
Local government	42.6	42.7	44.8	-.1	-4.9
Local government, except education	17.1	17.1	18.7	-.1	-8.7
Local government education	25.5	25.5	26.1	-.2	-2.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$363.53	$359.33	$339.44	39.6	39.4	39.7	$ 9.18	$ 9.12	$ 8.55
Durable Goods[d]	375.31	371.15	350.66	39.8	39.4	39.4	9.43	9.42	8.90
Stone, clay, and glass products	352.54	344.82	328.03	39.7	38.7	40.2	8.88	8.91	8.16
Fabricated metal products	421.97	404.35	413.79	39.4	38.4	38.6	10.71	10.53	10.72
Machinery, except electrical	361.97	359.96	341.54	40.9	40.4	41.1	8.85	8.91	8.31
Electric and electronic equipment	370.00	376.27	353.76	39.7	40.2	40.2	9.32	9.36	8.80
Transportation equipment	439.27	448.10	376.91	40.9	41.8	39.8	10.74	10.72	9.47
Nondurable Goods[e]	340.26	336.02	310.75	39.2	39.3	40.2	8.68	8.55	7.73
Food and kindred products	334.27	326.76	314.16	39.7	39.8	41.5	8.42	8.21	7.57
Printing and publishing	387.38	381.78	349.07	37.5	37.8	36.9	10.33	10.10	9.46
Chemicals and allied products	374.80	376.67	363.30	40.0	40.2	42.0	9.37	9.37	8.65
Rubber and misc. plastics products	302.48	305.92	286.49	39.8	40.2	41.4	7.60	7.61	6.92
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	462.09	461.32	425.26	36.5	36.7	37.7	12.66	12.57	11.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	441.86	432.80	411.42	40.5	40.0	41.6	10.91	10.82	9.89
WHOLESALE TRADE	295.29	291.06	285.32	38.6	38.5	39.3	7.65	7.56	7.26
RETAIL TRADE[f]	147.49	147.73	141.12	28.2	28.3	29.4	5.23	5.22	4.80
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	212.91	216.96	175.14	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	346.4	345.3	354.0	.3	- 2.1
MANUFACTURING	90.8	91.2	97.9	- .5	- 7.3
Durable Goods[e]	62.6	63.0	66.8	- .6	- 6.3
Stone, clay, and glass products	2.0	2.1	2.4	- 3.8	- 14.8
Fabricated metal products	6.8	6.9	7.1	- 1.3	- 4.4
Machinery, except electrical	29.7	29.9	31.5	- .8	- 6.0
Metalworking machinery	6.5	6.6	7.4	- 1.7	- 13.1
Electric and electronic equipment	5.1	5.2	5.5	- 1.0	- 7.4
Electrical industrial apparatus	3.1	3.1	3.4	- 1.6	- 9.4
Transportation equipment	13.1	13.0	13.7	1.2	- 4.4
Nondurable Goods[f]	28.2	28.2	31.1	.0	- 9.4
Food and kindred products	3.1	3.1	3.1	.0	1.0
Paper and allied products	5.5	5.5	5.9	1.3	- 6.8
Printing and publishing	8.5	8.5	9.3	- .3	- 8.5
Rubber and misc. plastics products	7.4	7.4	9.1	- .6	- 19.0
NONMANUFACTURING[g]	255.7	254.2	256.1	.6	- .2
CONSTRUCTION	9.9	9.3	11.8	6.9	- 15.8
TRANSPORTATION AND PUBLIC UTILITIES	13.0	12.9	13.1	.3	- 1.0
Communication, electric, gas services	6.4	6.5	6.6	- .2	- 2.7
WHOLESALE TRADE	16.5	16.5	16.5	.3	.4
RETAIL TRADE	55.6	54.7	56.1	1.7	- .9
FINANCE, INSURANCE, AND REAL ESTATE	13.7	13.7	13.4	.6	2.2
SERVICES	76.9	76.4	74.3	.7	3.5
GOVERNMENT	69.7	70.4	70.5	- 1.1	- 1.2
Federal government	25.5	25.7	25.6	- .5	- .1
State government (includes education)	6.7	6.8	5.8	- 1.4	14.8
Local government	37.4	38.0	39.1	- 1.5	- 4.3
Local government, except education	12.7	12.7	14.1	- .5	- 10.5
Local government education	24.8	25.3	25.0	- 1.9	- .8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	..	....	....	....
MANUFACTURING	$400.00	$388.68	$398.47	40.0	39.5	41.9	$10.00	$ 9.84	$ 9.51
Durable Goods[d]	405.59	391.02	395.68	40.6	39.9	42.5	9.99	9.80	9.31
Stone, clay, and glass products	356.12	361.55	341.04	41.7	39.6	40.6	8.54	9.13	8.40
Fabricated metal products	303.74	315.22	305.45	38.4	39.6	41.9	7.91	7.96	7.29
Machinery, except electrical	435.76	413.92	409.79	41.9	40.7	43.0	10.40	10.17	9.53
Metalworking machinery	394.99	398.52	401.76	40.1	40.5	43.2	9.85	9.84	9.30
Electric and electronic equipment	299.15	296.80	295.96	40.1	40.0	42.1	7.46	7.42	7.03
Electrical industrial apparatus	322.39	315.61	324.75	40.4	39.6	43.3	7.98	7.97	7.50
Transportation equipment	495.64	475.02	522.70	40.1	39.0	42.6	12.36	12.18	12.27
Nondurable Goods[e]	385.77	379.94	404.97	38.5	38.3	40.7	10.02	9.92	9.95
Food and kindred products	411.77	408.18	366.70	39.9	39.9	38.6	10.32	10.23	9.50
Paper and allied products	324.37	334.95	346.04	39.8	40.6	42.2	8.15	8.25	8.20
Printing and publishing	370.03	373.80	394.61	36.6	36.9	39.5	10.11	10.13	9.99
Rubber and misc. plastics products	483.99	454.96	516.18	39.0	37.6	42.0	12.41	12.10	12.29
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	489.72	475.20	456.11	37.7	36.0	38.2	12.99	13.20	11.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	423.71	420.65	409.78	40.2	40.1	41.9	10.54	10.49	9 78
WHOLESALE TRADE	290.97	290.56	270.35	40.3	40.3	40.9	7.22	7.21	6.61
RETAIL TRADE[f]	144.78	146.15	146.12	28.5	28.6	29.4	5.08	5.11	4.97
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	285.6	283.4	292.7	.8	- 2.4
MANUFACTURING	68.5	68.7	75.3	- .4	- 9.1
Durable Goods[e]	53.2	53.4	58.5	- .2	- 9.0
Stone, clay, and glass products	12.0	12.0	13.0	- .4	- 8.1
Primary metal industries	3.9	4.0	4.6	- .4	- 13.5
Fabricated metal products	7.0	7.1	8.1	- 1.2	- 13.4
Metal forgings and stampings	3.2	3.4	3.9	- 6.3	- 16.4
Machinery, except electrical	6.1	6.2	6.9	- 1.3	- 11.0
General industrial machinery	1.8	1.8	2.0	- 1.0	- 9.0
Transportation equipment	16.3	16.2	17.4	.5	- 6.0
Motor vehicles and equipment	14.9	14.8	16.1	.8	- 7.5
Nondurable Goods[f]	15.2	15.4	16.8	- .8	- 9.4
Food and kindred products	4.0	4.0	4.0	- 1.2	- .5
Petroleum and coal products	1.7	1.7	1.9	- .2	- 12.1
Rubber and misc. plastics products	2.8	2.9	3.4	- 1.9	- 16.5
NONMANUFACTURING[g]	217.1	214.6	217.3	1.2	- .1
CONSTRUCTION	10.5	9.7	10.9	7.4	- 4.0
TRANSPORTATION AND PUBLIC UTILITIES	18.9	18.6	19.4	1.5	- 2.4
Communication, electric, gas services	7.7	7.6	7.7	1.5	.8
WHOLESALE TRADE	14.5	14.3	14.7	.9	- 1.4
RETAIL TRADE	50.4	49.9	50.8	.9	- .8
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.5	10.6	.8	.1
SERVICES	65.9	64.7	63.0	1.8	4.6
GOVERNMENT	45.9	46.3	47.5	- .9	- 3.4
State government (includes education)	14.8	14.8	14.7	- .3	.4
Local government	28.3	28.7	30.0	- 1.3	- 5.7
Local government, except education	10.7	10.8	11.7	- 1.0	- 8.4
Local government education	17.6	17.9	18.3	- 1.5	- 4.0

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.56	$441.72	$396.58	40.7	40.9	40.8	$10.80	$10.80	$ 9.72
Durable Goods[d]	451.98	457.26	407.41	40.5	40.9	40.7	11.16	11.18	10.01
Stone, clay, and glass products	477.48	479.70	420.72	42.9	43.1	42.8	11.13	11.13	9.83
Primary metal industries	407.22	415.23	402.75	41.3	41.9	43.4	9.86	9.91	9.28
Fabricated metal products	431.14	443.94	362.99	41.1	42.0	39.2	10.49	10.57	9.26
Metal forgings and stampings	496.84	489.82	412.48	41.3	41.3	39.7	12.03	11.86	10.39
Machinery, except electrical	408.58	426.13	392.69	39.4	40.7	40.4	10.37	10.47	9.72
General industrial machinery	430.17	433.19	457.47	37.9	38.2	41.4	11.35	11.34	11.05
Transportation equipment	507.67	504.02	475.88	39.6	39.5	40.5	12.82	12.76	11.75
Motor vehicles and equipment	507.08	502.54	479.55	39.4	39.2	40.4	12.87	12.82	11.87
Nondurable Goods[e]	395.24	382.45	356.42	41.3	40.6	41.3	9.57	9.42	8.63
Food and kindred products	439.49	396.79	374.78	44.8	41.9	42.3	9.81	9.47	8.86
Petroleum and coal products	639.47	638.67	559.43	44.5	44.6	43.4	14.37	14.32	12.89
Rubber and misc. plastics products	321.14	316.78	304.38	39.5	39.4	41.3	8.13	8.04	7.37
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	607.10	601.79	558.48	38.4	38.8	38.2	15.81	15.51	14.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	452.88	462.18	407.30	40.8	41.6	41.1	11.10	11.11	9.91
WHOLESALE TRADE	325.17	329.28	298.74	38.3	38.2	38.3	8.49	8.62	7.80
RETAIL TRADE[f]	154.41	154.19	155.76	28.7	28.5	29.5	5.38	5.41	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
APRIL 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1982[b]	March 1982[c]	April 1981[c]	March 1982	April 1981
TOTAL	187.5	187.9	198.4	- .2	- 5.5
MANUFACTURING	56.4	58.7	69.2	- 3.9	- 18.4
Durable Goods[e]	50.9	53.2	63.5	- 4.4	- 19.9
Stone, clay, and glass products	1.7	1.9	1.8	- 7.8	- 4.4
Primary metal industries	25.3	25.7	30.0	- 1.5	- 15.7
Blast furnace and basic steel products	13.2	13.7	15.2	- 4.0	- 13.4
Fabricated metal products	8.8	8.8	9.3	- .7	- 6.2
Fabricated structural metal products	2.7	2.8	2.7	- 2.1	- 1.0
Machinery, except electrical	5.3	5.3	5.7	.1	- 6.0
Metalworking machinery	2.5	2.4	2.6	3.6	- 2.8
Electric and electronic equipment	3.0	3.0	3.0	- .6	- 1.8
Transportation equipment	4.9	6.7	11.8	- 26.0	- 58.2
Nondurable Goods[f]	5.6	5.5	5.6	1.3	- 1.0
NONMANUFACTURING[g]	131.1	129.1	129.2	1.5	1.5
CONSTRUCTION	5.5	5.1	5.8	6.7	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	8.9	8.8	9.1	.8	- 2.4
Communication, electric, gas services	3.3	3.3	3.3	.3	.4
WHOLESALE TRADE	7.7	7.7	7.8	.3	- 1.2
RETAIL TRADE	35.7	34.8	36.0	2.5	- .8
FINANCE, INSURANCE, AND REAL ESTATE	7.1	7.1	7.0	.1	1.8
SERVICES	39.6	38.9	38.7	1.8	2.2
GOVERNMENT	25.7	25.9	24.0	- .4	7.1
Local government (includes education)	20.0	20.1	18.6[h]	- .3	7.6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
APRIL 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1982[b]	March 1982[c]	April 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]	Apr. 1982[b]	Mar. 1982[c]	Apr. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$446.60	$457.08	$481.15	38.6	39.1	41.3	$11.57	$11.69	$11.65
Durable Goods[d]	458.15	468.81	494.32	38.5	39.1	41.4	11.90	11.99	11.94
Stone, clay, and glass products	340.02	317.22	286.39	39.4	37.9	35.4	8.63	8.37	8.09
Primary metal industries	478.59	486.20	537.16	37.1	37.4	41.9	12.90	13.00	12.82
Blast furnace and basic steel products	495.20	503.40	575.37	36.9	37.4	42.4	13.42	13.46	13.57
Fabricated metal products	455.07	477.20	546.35	39.4	39.9	44.6	11.55	11.96	12.25
Fabricated structural metal products	334.89	341.32	351.34	36.6	37.1	39.3	9.15	9.20	8.94
Machinery, except electrical	430.90	443.79	421.19	38.2	39.1	38.5	11.28	11.35	10.94
Metalworking machinery	439.18	453.60	452.73	38.9	40.0	40.1	11.29	11.34	11.29
Electric and electronic equipment	361.49	370.37	325.09	40.3	40.7	39.5	8.97	9.10	8.23
Transportation equipment	535.03	525.14	481.85	42.7	43.4	40.8	12.53	12.10	11.81
Nondurable Goods[e]	325.05	331.06	299.49	39.4	39.6	39.2	8.25	8.36	7.64
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	499.80	515.64	500.71	35.7	36.7	37.2	14.00	14.05	13.46
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	415.90	412.17	413.47	40.3	39.9	43.8	10.32	10.33	9.44
WHOLESALE TRADE	322.04	326.98	322.75	38.8	39.3	40.7	8.30	8.32	7.93
RETAIL TRADE[f]	152.64	153.50	153.09	28.8	28.8	29.9	5.30	5.33	5.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment conpensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

6/22/82 56270-

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
MAY 1982

Unemployment in Ohio dropped from 606,000 in April to 566,000 in May, lowering the unemployment rate from 12.0 to 11.1 percent of the civilian labor force. Total employment advanced 1.8 percent, to 4,526,000. Nonfarm payroll employment rose .8 percent, to 4,248,000, due chiefly to hiring in seasonal nonmanufacturing industries.

Employment in Ohio's manufacturing industries totaled 1,132,000 in May, unchanged from the previous month. Fewer orders led to cutbacks in the production of automotive castings, general industrial machinery, and fabricated metals. Layoffs were also reported by producers of metalworking machinery and electrical industrial apparatus. The decline in commercial printing was attributable mainly to a permanent plant shutdown. Losses were countered, however, by recalls in the manufacture of motor vehicles and of plastic products.

Nonmanufacturing employment in Ohio advanced 1.0 percent from April, to 3,116,000 in May. Retailing increased as eating and drinking places added personnel. Seasonal hiring among recreational facilities boosted services, despite layoffs of temporary workers engaged in income-tax preparation. Favorable weather spurred construction during the month, while gains in state and local education lifted government employment.

Average weekly earnings climbed to a new all-time high in May as the average hourly wage topped the $10 mark for the first time. Production workers in Ohio factories grossed $403 for an average workweek of 40.2 hours in May--$5.50 and .3 hours above April. More overtime was responsible for higher hours and earnings in the production of motor vehicles, iron and steel castings, and electric lighting equipment. Food processors--notably producers of meat and bakery products--also reported stepped-up overtime. Earnings for paper-mill workers, on the other hand, dropped substantially from high April averages due to premium rates over Easter.

Unemployment in Ohio rose by over 150,000 between May 1981 and May 1982, lifting the jobless rate from 8.0 to 11.1 percent. Total employment dropped 4.8 percent, as nonfarm payrolls slipped 2.5 percent. Durable-goods industries accounted for most of the decline in manufacturing, with primary metals, nonelectrical machinery, and metal fabricating showing significant losses. Nonmanufacturing rose fractionally over the year as expansion in services and dispute settlements in coal mining offset cutbacks in other industries. Factory production workers grossed $12 more per week in May 1982 than in May 1981 although their workweek averaged 1.1 hours shorter.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--May nonfarm payroll employment in Akron totaled 257,800, up 2,700 from April. Seasonal expansion in nonmanufacturing industries--services, government, retailing, and construction--was responsible for the gain. Manufacturing rose only slightly, to 71,700 for the month. The average factory production workweek, at 40.7 hours, and average hourly earnings, at $9.79, were little changed from the previous month.

Canton.--Workers on nonfarm payrolls in Canton numbered 154,600 in May, up 1,400 from April. Seasonal hiring in construction, retail trade, and services lifted nonmanufacturing for May. Cutbacks in the production of durable goods were more than offset by increases in nondurable goods, raising manufacturing 200, to 50,900 in May. Production workers in factories grossed $10.14 per hour, up 6¢ from April. Their average workweek rose .4 hours, to 39.3 for the month.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment advanced 3,900 from April, to 589,300 in May. Increases in services, retail trade, and construction boosted nonmanufacturing. Factory employment increased fractionally from April, to 150,600 in May. The workweek and hourly earnings of the average manufacturing production worker, at 40.5 hours and $9.52 an hour, were up .3 hours and 9¢, respectively, from the previous month.

Cleveland.--Nonfarm employment in the Cleveland area totaled 864,800 in May, up 4,000 from April. Manufacturing slipped 300, to 232,900 for the month, with losses concentrated in durable goods. Seasonal hiring--notably in retailing, government, and services--lifted nonmanufacturing for the overall gain, however. Earnings of factory production workers rose 12¢, to $10.11 an hour. Average weekly hours, at 40.8, were up .7 hours from April.

Columbus.--Nonfarm establishments in the Columbus area employed 507,300 in May, up 3,100 from April. Nonmanufacturing accounted for the increase, with greatest gains occurring in retail trade and construction. Manufacturing employment dipped 500, to 87,800 in May, with much of the loss attributable to fewer orders for glass and glassware. The average workweek for factory production workers, at 39.6 hours, was .2 hours longer than in April. Their average hourly earnings rose 10¢, to $9.28 in May.

Dayton.--Dayton's nonagricultural wage and salary employment totaled 346,700 in May, up 400 from April. The gain occurred in nonmanufacturing, as temporary layoffs in private educational services were more than offset by expansion in most other industries. Manufacturing employment slipped 600, to 90,000 for the month, due mainly to layoffs in printing and publishing. Production workers in manufacturing industries grossed $10.06 per hour in May, up 12¢ from April. Their average workweek, at 39.9 hours, was little changed.

Toledo.--Nonfarm payroll employment in Toledo increased 3,300 from April, to 288,800 in May. Manufacturing rose 400, to 68,800 for the month, due chiefly to gains among hard-goods producers. Seasonal expansion boosted nonmanufacturing industries, notably government, retail trade, and construction. The average workweek of factory production workers increased half an hour, to 40.8 hours in May. Hourly earnings rose 5¢, to $10.85 for the month.

Youngstown-Warren.--Nonagricultural establishments in the Youngstown-Warren area employed 190,900 wage and salary workers in May, up 4,100 from April. Recalls of furloughed workers in transportation equipment lifted manufacturing by 2,200, to 58,100 in May. Nonmanufacturing rose seasonally. The average factory production worker grossed $11.65 per hour for a workweek of 39.5 hours--up 6¢ and .9 hours, respectively, from April.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 6-17-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)								
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
May	262.7	158.1	599.1	885.3	510.3	354.7	295.3	203.0
June	259.4	158.9	600.5	893.2	512.7	355.2	298.1	204.4
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	156.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.8	154.6	589.3	864.8	507.3	346.7	288.8	190.9
MANUFACTURING EMPLOYMENT (in thousands)								
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
May	76.6	55.4	158.6	248.0	94.1	98.3	75.3	69.8
June	77.3	55.9	160.1	251.3	94.4	98.4	76.1	69.9
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.7	50.9	150.6	232.9	87.8	90.0	68.8	58.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
May	44.9	40.2	104.4	164.0	62.0	64.9	49.9	53.3
June	45.1	40.6	105.5	166.2	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.3	35.6	98.1	148.0	56.2	57.7	44.9	42.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
May	42.4	40.1	41.4	41.5	39.9	41.7	41.2	40.7
June	42.4	40.4	41.3	42.0	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.6	39.5	41.6	40.4	40.4
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	40.7	39.3	40.5	40.8	39.6	39.9	40.8	39.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
May	9.50	9.67	8.70	9.60	8.55	9.48	9.76	11.61
June	9.53	9.76	8.69	9.79	8.65	9.67	9.97	11.70
July	9.57	9.73	8.73	9.65	8.59	9.63	9.91	11.65
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.79	10.14	9.52	10.11	9.28	10.06	10.85	11.65
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
May	402.80	387.77	360.18	398.40	341.15	395.32	402.11	472.53
June	404.07	394.30	358.90	411.18	345.14	410.98	411.76	484.38
July	400.98	387.25	357.06	391.79	339.31	400.61	400.36	470.66
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	398.45	398.50	385.56	412.49	367.49	401.39	442.68	460.18

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.5	261.2	16.3	5.9	1971	164.8	152.2	12.6	7.6
1972	282.2	267.4	14.9	5.3	1972	165.6	155.3	10.3	6.2
1973	287.0	274.8	12.2	4.3	1973	171.1	163.1	8.0	4.7
1974	290.3	277.3	13.0	4.5	1974	175.4	167.2	8.1	4.6
1975	291.1	263.5	27.6	9.5	1975	174.2	157.5	16.7	9.6
1976	290.2	265.3	24.9	8.6	1976	173.8	158.0	15.7	9.1
1977	292.9	273.6	19.4	6.6	1977	175.0	162.2	12.8	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
April	300.4	278.1	22.3	7.4	April	186.9	172.6	14.3	7.7
May	308.4	283.6	24.8	8.0	May	191.0	175.6	15.3	8.0
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September	302.6	273.1	29.5	9.7	September	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October	187.0	169.5	17.5	9.4
November	304.6	272.2	32.4	10.6	November	188.8	168.9	19.9	10.5
December	302.7	269.0	33.7	11.1	December	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January	187.7	164.1	23.6	12.6
February	295.5	260.4	35.1	11.9	February	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April[p]	299.6	265.5	34.1	11.4	April[p]	189.4	164.8	24.6	13.0
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.3	811.4	54.9	6.3
1972	561.0	529.0	32.0	5.7	1972	873.4	825.3	48.1	5.5
1973	572.0	543.0	29.0	5.1	1973	883.5	848.7	34.8	3.9
1974	595.3	569.8	25.5	4.3	1974	897.7	860.1	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	894.1	823.7	70.5	7.9
1976	600.6	562.6	38.0	6.3	1976	894.4	831.3	63.1	7.1
1977	619.1	584.6	34.4	5.6	1977	904.7	850.9	53.8	5.9
1978	642.8	610.5	32.3	5.0	1978	921.7	878.5	43.2	4.7
1979	657.9	622.9	35.1	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
April	679.3	630.5	48.9	7.2	April	927.7	864.5	63.3	6.8
May	688.1	636.6	51.4	7.5	May	942.6	875.3	67.3	7.1
June	684.9	629.9	55.0	8.0	June	942.1	869.6	72.6	7.7
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September	680.1	616.3	63.8	9.4	September	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October	923.6	843.7	79.9	8.7
November	684.3	617.1	67.2	9.8	November	931.4	844.3	87.1	9.4
December	679.4	611.6	67.8	10.0	December	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January	905.6	821.3	84.4	9.3
February	657.0	585.6	71.4	10.9	February	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April[p]	668.8	600.6	68.2	10.2	April[p]	909.6	820.9	88.7	9.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1978 are geared to 1980 Census (beginning with 1980 in Cincinnati area). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
		COLUMBUS[f]		
1971	445.4	425.5	19.9	4.5
1972	469.1	450.2	18.9	4.0
1973	485.3	468.2	17.1	3.5
1974	494.7	474.7	19.9	4.0
1975	493.5	457.1	36.4	7.4
1976	501.7	466.7	35.0	7.0
1977	511.1	481.2	29.9	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.3	31.5	5.7
1981	562.5	518.7	43.8	7.8
1981				
April	559.4	525.0	34.4	6.1
May	571.5	533.4	38.0	6.7
June	569.3	528.1	41.2	7.2
July	573.9	528.1	45.8	8.0
August	569.2	524.6	44.7	7.8
September ..	561.3	511.9	49.4	8.8
October	565.5	519.2	46.3	8.2
November ...	570.6	520.4	50.2	8.8
December ...	563.4	514.2	49.2	8.7
1982				
January	554.8	506.0	48.8	8.8
February ...	547.5	498.2	49.4	9.0
March	553.8	502.5	51.4	9.3
April[p]	558.5	507.7	50.8	9.1

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
		DAYTON[g]		
1971	349.3	326.0	23.3	6.7
1972	353.6	336.3	17.3	4.9
1973	357.9	343.4	14.5	4.0
1974	358.9	341.9	17.0	4.7
1975	356.5	326.7	29.8	8.4
1976	359.2	335.0	24.1	6.7
1977	366.6	346.4	20.2	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	360.9	29.3	7.5
1981	389.8	357.4	32.4	8.3
1981				
April	388.2	363.3	24.9	6.4
May	396.4	368.4	27.9	7.1
June	393.2	363.4	29.8	7.6
July	397.4	362.2	35.2	8.9
August	392.7	359.0	33.8	8.6
September ..	388.9	354.8	34.1	8.8
October	389.7	356.4	33.3	8.5
November ...	393.8	357.1	36.7	9.3
December ...	391.4	352.2	39.2	10.0
1982				
January	389.5	349.7	39.8	10.2
February ...	383.4	341.7	41.7	10.9
March	387.5	342.3	45.2	11.7
April[p]	389.1	345.6	43.5	11.2

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
		TOLEDO[h]		
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.3	318.5	28.8	8.3
1977	353.9	328.5	25.4	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	367.7	329.7	38.0	10.3
1981	366.9	327.3	39.6	10.8
1981				
April	364.9	333.1	31.8	8.7
May	373.2	339.6	33.6	9.0
June	373.9	339.2	34.7	9.3
July	374.6	334.4	40.3	10.8
August	370.7	330.9	39.9	10.8
September ..	365.7	324.9	40.8	11.2
October	370.6	329.0	41.6	11.2
November ...	368.8	326.1	42.6	11.6
December ...	365.4	319.9	45.5	12.4
1982				
January	361.0	313.4	47.6	13.2
February ...	355.7	310.0	45.7	12.8
March	360.2	312.1	48.2	13.4
April[p]	361.7	317.1	44.7	12.4

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
		YOUNGSTOWN-WARREN[i]		
1971	225.0	207.1	17.9	8.0
1972	226.9	212.1	14.8	6.5
1973	232.4	221.7	10.7	4.6
1974	236.3	223.3	13.0	5.5
1975	236.0	209.1	26.9	11.4
1976	233.4	209.8	23.6	10.1
1977	233.0	214.0	18.9	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.4	210.4	28.0	11.7
1981	233.1	205.3	27.7	11.9
1981				
April	229.7	208.6	21.1	9.2
May	235.4	214.3	21.1	8.9
June	234.5	212.3	22.1	9.4
July	237.6	212.2	25.3	10.7
August	234.5	207.1	27.4	11.7
September...	231.0	205.2	25.8	11.2
October	230.2	204.9	25.3	11.0
November ...	235.0	205.6	29.4	12.5
December ...	232.0	195.0	37.1	16.0
1982				
January	232.6	196.1	36.5	15.7
February ...	232.8	187.2	45.6	19.6
March	231.2	190.0	41.1	17.8
April[p]	236.9	190.7	46.2	19.5

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data beginning with 1978 are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
May	5,167	4,752	414	8.0	7.1
June	5,144	4,707	437	8.5	7.7
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
May	4,356.7	1,247.2	3,109.6
June	4,384.6	1,256.2	3,128.4
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,248.4	1,132.4	3,116.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
May	23.1	155.6	217.8	230.4	719.0	204.6	859.3	699.6
June	31.6	161.6	220.0	232.6	720.5	206.4	870.0	685.6
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.8	145.6	214.4	229.6	708.8	205.5	890.5	688.8

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
May	1,247.2	873.2	373.9	861.9	337.1	35.6
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,132.4	775.7	356.8	760.3	306.6	30.6

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
May	391.11	403.65	357.93	41.3	41.4	41.0	9.47	9.75	8.73
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.21	415.27	376.40	40.2	40.2	40.3	10.03	10.33	9.34

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
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EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
May	61.9	140.8	157.3	206.1	102.2	141.5	69.3	66.0	90.4
June	62.8	141.4	158.6	206.7	103.3	142.3	70.5	66.1	90.7
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	39.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.4	116.6	138.5	183.9	95.4	126.8	67.8	64.1	82.1
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
May	345.24	488.04	395.38	386.88	348.35	469.42	364.50	344.42	366.80
June	348.02	496.69	400.46	393.12	350.33	492.20	357.62	348.91	375.84
July	349.57	486.38	385.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.71	480.77	399.38	387.68	367.88	521.73	386.46	355.10	379.49

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	4248.4	4216.6	4356.7	.8	- 2.5
MANUFACTURING	1132.4	1132.2	1247.2	.0	- 9.2
Durable Goods[e]	775.7	776.2	873.2	- .1	- 11.2
Lumber and wood products	13.2	12.9	14.1	1.8	- 6.6
Furniture and fixtures	13.4	13.6	15.1	- 1.6	- 10.9
Household furniture	6.2	6.3	7.3	- 1.4	- 14.1
Stone, clay, and glass products	54.4	54.0	61.9	.8	- 12.1
Glass and glassware, pressed or blown.	13.2	13.4	15.1	- 1.9	- 12.7
Structural clay products	4.3	4.3	6.0	- 1.4	- 28.8
Pottery and related products	6.0	5.7	6.8	4.8	- 11.6
Primary metal industries	116.6	117.8	140.8	- 1.0	- 17.2
Blast furnace and basic steel products	60.6	60.7	73.4	- .2	- 17.4
Iron and steel foundries	23.2	24.2	29.1	- 3.9	- 20.1
Nonferrous rolling and drawing	18.0	17.6	20.5	1.8	- 12.4
Nonferrous foundries	8.5	8.7	10.1	- 1.0	- 15.6
Fabricated metal products	138.5	139.5	157.3	- .7	- 11.9
Cutlery, hand tools, and hardware	11.1	11.3	13.5	- 1.7	- 17.3
Plumbing and heating, except electric.	4.5	4.2	5.3	6.6	- 15.1
Fabricated structural metal products .	32.9	33.1	36.3	- .5	- 9.4
Screw machine products, bolts, etc. ..	9.3	9.7	10.5	- 3.6	- 11.0
Metal forgings and stampings	38.8	39.0	46.4	- .7	- 16.5
Machinery, except electrical	183.9	185.9	206.1	- 1.1	- 10.8
Construction and related machinery ...	22.4	22.5	26.0	- .5	- 13.9
Metalworking machinery	49.2	50.0	55.7	- 1.6	- 11.7
Special industry machinery	20.0	20.0	21.5	.3	- 6.9
General industrial machinery	35.2	35.9	39.6	- 2.0	- 11.0
Electric and electronic equipment	95.4	95.9	102.2	- .5	- 6.7
Electrical industrial apparatus	21.2	21.5	24.2	- 1.2	- 12.1
Household appliances	15.5	15.3	17.7	1.3	- 12.4
Electric lighting and wiring equipment	19.4	19.6	20.1	- .7	- 3.2
Communication equipment	12.0	12.0	11.4	.3	5.2
Transportation equipment	126.8	123.3	141.5	2.8	- 10.4
Motor vehicles and equipment	82.3	78.0	95.6	5.4	- 13.9
Aircraft and parts	36.8	36.6	36.7	.4	.1
Instruments and related products	20.4	20.1	21.3	1.3	- 4.0
Measuring and controlling devices	12.1	12.0	13.2	.9	- 8.5
Nondurable Goods[f]	356.8	356.1	373.9	.2	- 4.6
Food and kindred products	67.8	67.5	69.3	.3	- 2.3
Meat products	11.2	11.1	11.8	1.2	- 5.2
Dairy products	11.3	11.2	11.9	.6	- 5.0
Bakery products	11.3	11.2	11.5	.7	- 2.2
Beverages	10.4	10.8	10.6	- 3.5	- 1.4
Textile mill products	4.6	4.5	4.9	1.5	- 6.7
Apparel and other textile products	16.7	16.7	17.0	- .1	- 1.9
Paper and allied products	35.6	35.7	38.2	- .4	- 6.9
Paper mills, except building paper ...	8.9	8.9	9.9	- .5	- 10.7
Misc. converted paper products	11.4	11.6	11.7	- 1.7	- 2.8
Paperboard containers and boxes	11.9	12.0	13.0	- 1.0	- 8.3
Printing and publishing	64.1	64.8	66.0	- 1.0	- 2.8
Newspapers	19.3	19.4	19.3	- .3	.2
Commercial printing	23.5	24.1	25.4	- 2.1	- 7.4
Chemicals and allied products	67.0	67.0	68.1	.0	- 1.6
Industrial inorganic chemicals	12.9	12.8	13.0	.5	- 1.2
Plastics materials and synthetics	9.3	9.4	9.8	- 1.6	- 5.0
Petroleum and coal products	13.4	13.2	14.4	1.2	- 7.0
Rubber and misc. plastics products	82.1	81.2	90.4	1.2	- 9.2
Tires and inner tubes	22.7	22.8	25.0	- .6	- 9.3
Miscellaneous plastics products	40.1	39.1	45.0	2.6	- 10.8
Leather and leather products	5.4	5.3	5.4	1.7	- .9

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982^b	April 1982^c	May 1981^c	May 1982^b	Apr. 1982^c	May 1981^c	May 1982^b	Apr. 1982^c	May 1981^c
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$403.21	$397.80	$391.11	40.2	39.9	41.3	$10.03	$ 9.97	$ 9.47
Durable Goods[d]	415.27	407.55	403.65	40.2	39.8	41.4	10.33	10.24	9.75
Lumber and wood products	282.36	272.52	260.65	39.0	38.6	40.1	7.24	7.06	6.50
Furniture and fixtures	289.81	288.64	271.74	38.9	38.9	38.6	7.45	7.42	7.04
Household furniture	252.41	253.16	238.85	37.9	38.3	38.4	6.66	6.61	6.22
Stone, clay, and glass products	372.71	368.15	345.24	40.6	10.5	41.1	9.18	9.09	8.40
Glass and glassware, pressed or blown.	365.19	362.90	362.56	38.2	38.2	40.6	9.56	9.50	8.93
Structural clay products	295.90	297.09	276.08	41.5	42.2	40.9	7.13	7.04	6.75
Pottery and related products	296.43	296.00	273.29	38.2	37.9	38.6	7.76	7.81	7.08
Primary metal industries	480.77	473.14	488.04	39.7	39.2	42.0	12.11	12.07	11.62
Blast furnace and basic steel products	503.42	503.81	538.05	38.4	38.4	42.2	13.11	13.12	12.75
Iron and steel foundries	479.45	454.72	421.68	41.8	40.6	40.9	11.47	11.20	10.31
Nonferrous rolling and drawing	468.85	472.33	490.47	39.3	39.1	42.1	11.93	12.08	11.65
Nonferrous foundries	352.77	336.76	337.84	41.6	39.9	41.1	8.48	8.44	8.22
Fabricated metal products	399.38	397.79	395.38	39.7	39.7	41.1	10.06	10.02	9.62
Cutlery, hand tools, and hardware	386.93	383.68	398.43	38.5	38.6	39.1	10.05	9.94	10.19
Plumbing and heating, except electric.	334.02	338.43	310.90	37.7	38.9	38.1	8.86	8.70	8.16
Fabricated structural metal products .	356.18	350.10	338.24	38.8	38.6	39.7	9.18	9.07	8.52
Screw machine products, bolts, etc. ..	345.54	335.34	362.50	39.4	38.5	41.1	8.77	8.71	8.82
Metal forgings and stampings	484.98	482.30	493.02	41.1	40.7	43.4	11.80	11.85	11.36
Machinery, except electrical	387.68	387.68	386.88	39.6	39.6	41.6	9.79	9.79	9.30
Construction and related machinery ...	396.36	394.00	393.71	39.4	39.4	41.4	10.06	10.00	9.51
Metalworking machinery	377.13	379.47	379.13	39.0	39.0	41.3	9.67	9.73	9.18
Special industry machinery	369.65	368.34	362.95	40.8	40.3	42.5	9.06	9.14	8.54
General industrial machinery	392.17	382.91	379.35	39.1	38.6	40.1	10.03	9.92	9.46
Electric and electronic equipment	367.88	364.05	348.35	39.9	39.7	40.6	9.22	9.17	8.58
Electrical industrial apparatus	344.70	349.95	368.94	38.3	39.1	42.8	9.00	8.95	8.62
Household appliances	365.66	366.21	341.64	38.9	39.0	39.0	9.40	9.39	8.76
Electric lighting and wiring equipment	377.04	363.12	316.81	41.8	40.8	39.9	9.02	8.90	7.94
Communication equipment	393.00	393.35	373.03	39.3	39.1	39.6	10.00	10.06	9.42
Transportation equipment	521.73	493.07	469.42	42.8	41.4	42.1	12.19	11.91	11.15
Motor vehicles and equipment	553.76	515.02	494.16	43.5	41.4	42.6	12.73	12.44	11.60
Aircraft and parts	435.11	435.90	401.71	40.4	40.7	40.7	10.77	10.71	9.87
Instruments and related products	276.71	278.74	265.43	38.7	38.5	40.4	7.15	7.24	6.57
Measuring and controlling devices	281.64	279.55	270.68	38.9	38.4	41.2	7.24	7.28	6.57
Nondurable Goods[e]	376.40	374.00	357.93	40.3	40.0	41.0	9.34	9.35	8.73
Food and kindred products	386.46	380.42	364.50	41.2	40.6	41.8	9.38	9.37	8.72
Meat products	435.50	410.04	406.19	42.2	40.2	42.4	10.32	10.20	9.58
Dairy products	381.50	376.66	344.54	43.6	42.9	42.8	8.75	8.78	8.05
Bakery products	380.66	358.90	345.22	40.8	38.8	41.0	9.33	9.25	8.42
Beverages	320.89	343.78	320.40	37.4	39.2	39.9	8.58	8.77	8.03
Textile mill products	271.88	277.30	267.65	40.1	40.6	40.8	6.78	6.83	6.56
Apparel and other textile products	212.80	213.53	205.91	36.5	36.5	37.1	5.83	5.85	5.55
Paper and allied products	382.97	391.78	363.15	42.6	43.1	43.7	8.99	9.09	8.31
Paper mills, except building paper ...	482.67	532.84	457.29	46.1	49.2	48.7	10.47	10.83	9.39
Misc. converted paper products	334.11	334.53	316.06	40.4	40.5	41.1	8.27	8.26	7.69
Paperboard containers and boxes	348.19	339.42	330.00	41.6	40.6	42.2	8.37	8.36	7.82
Printing and publishing	355.10	352.08	344.42	37.3	37.1	38.1	9.52	9.49	9.04
Newspapers	330.89	328.58	322.32	32.6	32.5	34.0	10.15	10.11	9.48
Commercial printing	365.00	362.33	359.58	38.3	38.1	39.0	9.53	9.51	9.22
Chemicals and allied products	413.09	406.22	391.46	40.9	40.3	41.6	10.10	10.08	9.41
Industrial inorganic chemicals	435.08	432.14	417.99	40.7	41.0	41.1	10.69	10.54	10.17
Plastics materials and synthetics	441.95	442.23	426.51	42.7	42.4	43.3	10.35	10.43	9.85
Petroleum and coal products	613.82	598.31	519.26	45.3	43.8	43.2	13.55	13.66	12.02
Rubber and misc. plastics products	379.49	376.14	366.80	40.5	40.1	41.4	9.37	9.38	8.86
Tires and inner tubes	517.79	527.85	494.34	42.2	42.5	42.8	12.27	12.42	11.55
Miscellaneous plastics products	352.44	339.68	352.15	39.6	38.6	40.9	8.90	8.80	8.61
Leather and leather products	190.25	192.31	184.18	36.1	36.7	36.4	5.27	5.24	5.06

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MAY 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
NONMANUFACTURING	3116.0	3084.4	3109.6	1.0	.2
MINING	32.8	32.4	23.1	1.2	41.9
Bituminous coal and lignite mining	14.2	14.2	5.8[h]	.2	144.0
CONSTRUCTION	145.6	138.7	155.6	5.0	- 6.4
General building contractors	34.5	33.4	37.2	3.4	- 7.3
Heavy construction contractors	24.4	21.5	25.4	13.6	- 4.2
TRANSPORTATION AND PUBLIC UTILITIES	214.4	214.0	217.0	.2	- 1.6
Railroad transportation	24.0	23.8	25.8	.7	- 7.1
Transportation, except railroads	94.6	94.5	96.6	.1	- 2.1
Trucking and warehousing	70.5	70.8	72.8	- .4	- 3.1
Communication, electric, gas services	95.8	95.7	95.4	.1	.5
Communication	54.8	54.7	54.9	.1	- .2
Electric, gas, and sanitary services	41.1	41.0	40.5	.2	1.4
WHOLESALE TRADE	229.6	229.4	230.4	.1	- .4
Wholesale trade-durable goods	147.9	147.9	148.9	.0	- .7
Motor vehicles & automotive equipment	20.5	20.5	21.2	- .2	- 3.3
Electrical goods	19.4	19.3	19.5	.2	- .7
Machinery, equipment, and supplies	62.0	62.1	61.9	- .2	.2
Wholesale trade-nondurable goods	81.7	81.5	81.6	.2	.2
Groceries and related products	24.0	24.0	23.7	.3	1.4
RETAIL TRADE	708.8	700.0	719.0	1.2	- 1.4
General merchandise stores	109.4	109.0	117.4	.4	- 6.8
Department stores	99.7	99.3	106.9	.4	- 6.8
Food stores	116.1	115.5	116.8	.5	- .6
Automotive dealers & service stations	70.7	70.6	74.3	.1	- 4.9
Apparel and accessory stores	34.4	34.4	34.4	.2	.1
FINANCE, INSURANCE, AND REAL ESTATE	205.5	205.1	204.6	.2	.5
Banking	59.0	58.8	59.1	.2	- .3
Credit agencies other than banks	30.5	30.5	30.7	.1	- .5
Insurance carriers	58.7	58.9	58.4	- .3	.5
SERVICES	890.5	882.1	859.3	1.0	3.6
Hotels and other lodging places	32.9	31.3	32.0	5.1	2.8
Laundry, cleaning, & garment services	17.4	17.1	17.8	1.7	- 2.5
Business services	130.2	129.5	125.2	.6	4.0
Health services	310.7	309.2	293.5	.5	5.8
Hospitals	171.6	171.1	163.0	.3	5.3
GOVERNMENT	688.8	682.7	699.6	.9	- 1.6
Federal government	88.3	88.2	89.6	.2	- 1.4
State government	148.6	146.5	147.5	1.4	.8
State government, except education	71.3	71.1	71.4	.4	- .1
State government education[i]	77.2	75.5	76.0	2.3	1.6
Local government	451.9	447.9	462.6	.9	- 2.3
Local government, except education	186.3	184.7	191.1	.9	- 2.5
Local government education	265.6	263.3	271.5	.9	- 2.2

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MAY 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$437.68	$431.71	$368.19	42.7	42.2	44.2	$10.25	$10.23	$ 8.33
Bituminous coal and lignite mining	520.36	509.64	465.85	42.1	41.2	40.9	12.36	12.37	11.39
CONSTRUCTION	550.94	524.59	486.91	38.5	37.1	36.5	14.31	14.14	13.34
General building contractors	494.17	461.62	436.80	37.1	35.4	35.0	13.32	13.04	12.48
Heavy construction contractors	608.52	588.89	480.07	42.2	41.5	36.9	14.42	14.19	13.01
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	454.96	442.36	450.76	37.2	36.2	38.2	12.23	12.22	11.80
Communication, electric, gas services	413.43	416.12	383.52	40.1	40.4	40.8	10.31	10.30	9.40
Communication	399.12	399.74	367.88	39.4	39.5	39.9	10.13	10.12	9.22
Electric, gas, and sanitary services	433.61	437.69	403.08	41.1	41.6	41.9	10.55	10.52	9.62
WHOLESALE TRADE	307.67	303.74	293.67	38.7	38.4	39.0	7.95	7.91	7.53
Wholesale trade—durable goods	298.76	297.99	291.51	38.6	38.6	39.5	7.74	7.72	7.38
Motor vehicles & automotive equipment	246.09	249.75	274.56	37.4	37.5	39.0	6.58	6.66	7.04
Electrical goods	253.88	253.64	241.70	37.5	37.3	37.3	6.77	6.80	6.48
Machinery, equipment, and supplies	328.10	327.02	304.90	39.2	39.4	39.7	8.37	8.30	7.68
Wholesale trade—nondurable goods	324.04	314.33	296.02	38.9	38.1	38.0	8.33	8.25	7.79
Groceries and related products	358.75	337.33	334.15	41.0	39.5	40.9	8.75	8.54	8.17
RETAIL TRADE[f]	152.48	149.29	148.47	29.1	28.6	29.4	5.24	5.22	5.05
General merchandise stores	154.74	149.18	149.50	29.7	28.8	29.9	5.21	5.18	5.00
Department stores	157.64	151.20	151.20	29.8	28.8	30.0	5.29	5.25	5.04
Food stores	223.10	218.99	228.25	30.9	30.5	32.7	7.22	7.18	6.98
Automotive dealers & service stations	198.28	197.74	198.68	37.2	37.1	37.7	5.33	5.33	5.27
Apparel and accessory stores	113.01	112.41	109.59	27.1	26.7	26.6	4.17	4.21	4.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	198.27	197.75	183.55	....	....	....	....	....	....
Credit agencies other than banks	200.35	200.47	188.05	....	....	....	....	....	....
Insurance carriers	271.12	269.49	249.51	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	256.85	256.95	233.18	33.4	33.5	33.6	7.69	7.67	6.94
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	257.8	255.1	262.7	1.1	- 1.9
MANUFACTURING	71.7	71.6	76.6	.1	- 6.4
Durable Goods[e]	35.9	35.7	38.0	.5	- 5.5
Stone, clay, and glass products	1.7	1.7	1.9	3.2	- 6.3
Fabricated metal products	13.5	13.5	14.6	.5	- 7.6
Machinery, except electrical	10.1	9.9	10.7	2.0	- 6.1
Special industry machinery	1.9	1.9	2.1	.1	- 7.5
Nondurable Goods[f]	35.8	35.9	38.6	- .3	- 7.4
Food and kindred products	2.9	2.9	3.0	.2	- 4.6
Chemicals and allied products	3.6	3.6	3.7	.4	- 2.9
Rubber and misc. plastics products	24.2	24.4	26.8	- .5	- 9.6
Tires and inner tubes	18.5	18.6	20.7	- .7	- 10.8
NONMANUFACTURING[g]	186.2	183.5	186.1	1.4	.0
CONSTRUCTION	7.1	6.6	7.6	8.3	- 6.0
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.7	14.0	- 1.7	- 3.4
Communication, electric, gas services	5.5	5.5	5.4	.2	1.3
WHOLESALE TRADE	12.2	12.2	12.1	.1	1.5
RETAIL TRADE	45.5	44.9	45.8	1.3	- .7
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.1	9.2	.6	- .5
SERVICES	53.5	52.5	52.0	1.8	2.8
GOVERNMENT	44.6	43.8	44.8	1.7	- .6
State government (includes education)	14.9	14.5	14.2	3.0	4.8
Local government (includes education)	27.6	27.3	28.5	1.2	- 3.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.45	$399.84	$402.80	40.7	40.8	42.4	$ 9.79	$ 9.80	$ 9.50
Durable Goods[d]	391.82	388.54	394.12	40.9	40.6	42.7	9.58	9.57	9.23
Stone, clay, and glass products	376.62	389.16	350.69	41.8	42.3	41.6	9.01	9.20	8.43
Fabricated metal products	387.47	380.05	404.77	39.7	39.1	41.6	9.76	9.72	9.73
Machinery, except electrical	398.69	394.90	403.17	42.1	42.1	44.5	9.47	9.38	9.06
Special industry machinery	340.96	342.47	346.94	39.6	39.5	41.7	8.61	8.67	8.32
Nondurable Goods[e]	409.25	414.51	413.28	40.6	41.0	42.0	10.08	10.11	9.84
Food and kindred products	424.91	413.60	383.04	44.4	43.4	45.6	9.57	9.53	8.40
Chemicals and allied products	405.37	422.69	443.21	40.7	41.4	44.1	9.96	10.21	10.05
Rubber and misc. plastics products	434.89	441.21	433.50	41.3	41.9	42.5	10.53	10.53	10.20
Tires and inner tubes	544.40	549.96	517.20	42.9	43.1	43.1	12.69	12.76	12.00
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	537.70	482.67	509.52	38.0	34.9	38.6	14.15	13.83	13.20
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	408.58	410.44	373.58	39.9	40.2	40.3	10.24	10.21	9.27
WHOLESALE TRADE	282.94	284.59	283.81	38.6	39.2	39.2	7.33	7.26	7.24
RETAIL TRADE[f]	169.56	165.55	164.83	29.8	29.3	30.3	5.69	5.65	5.44
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	154.6	153.2	158.1	.9	- 2.3
MANUFACTURING	50.9	50.7	55.4	.4	- 8.2
Durable Goods[e]	39.1	39.1	43.3	- .2	- 9.9
Stone, clay, and glass products	1.9	1.9	2.1	- 2.5	- 10.7
Primary metal industries	11.4	11.4	14.5	.0	- 21.3
Fabricated metal products	9.3	9.3	10.1	.0	- 8.1
Fabricated structural metal products	3.3	3.3	3.4	- .2	- 4.5
Metal forgings and stampings	2.5	2.5	3.1	.9	- 20.3
Nondurable Goods[f]	11.8	11.5	12.1	2.7	- 2.1
Food and kindred products	4.1	4.0	4.3	2.5	- 3.7
Rubber and misc. plastics products	3.1	2.9	3.1	5.4	- .9
NONMANUFACTURING[g]	103.7	102.5	102.7	1.1	.9
CONSTRUCTION	5.2	4.8	5.0	8.0	3.0
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	6.9	- .3	1.5
Communication, electric, gas services	3.0	3.0	3.0	- .3	2.0
WHOLESALE TRADE	7.3	7.3	7.4	.5	- 1.1
RETAIL TRADE	26.1	25.8	26.2	1.2	- .2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.3	1.3	2.8
SERVICES	30.8	30.5	30.2	.9	1.9
GOVERNMENT	19.4	19.3	19.4	.2	- .2
Local government (includes education)	16.3	16.2	16.2	.3	.3

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.50	$392.11	$387.77	39.3	38.9	40.1	$10.14	$10.08	$ 9.67
Durable Goods[d]	407.03	400.42	395.01	39.1	38.8	39.9	10.41	10.32	9.90
Stone, clay, and glass products	265.95	265.20	258.75	39.4	40.0	41.6	6.75	6.63	6.22
Primary metal industries	457.88	451.24	472.72	37.5	37.2	40.3	12.21	12.13	11.73
Fabricated metal products	430.80	423.47	402.80	40.0	39.8	40.0	10.77	10.64	10.07
Fabricated structural metal products	389.05	386.68	339.96	39.1	39.7	37.9	9.95	9.74	8.97
Metal forgings and stampings	522.50	505.47	488.80	41.6	40.6	41.6	12.56	12.45	11.75
Nondurable Goods[e]	365.88	361.94	354.09	39.9	39.6	40.7	9.17	9.14	8.70
Food and kindred products	411.34	406.36	396.32	38.3	38.3	40.4	10.74	10.61	9.81
Rubber and misc. plastics products	384.60	384.99	372.10	45.3	45.4	45.6	8.49	8.48	8.16
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	516.24	493.48	448.56	35.9	35.4	35.6	14.38	13.94	12.60
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	420.84	418.99	385.11	40.7	40.6	41.1	10.34	10.32	9.37
WHOLESALE TRADE	281.25	289.18	271.22	37.5	37.9	38.2	7.50	7.63	7.10
RETAIL TRADE[f]	147.75	146.08	140.84	29.2	28.7	29.1	5.06	5.09	4.84
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	589.3	585.4	599.1	.7	-1.6
MANUFACTURING	150.6	150.5	158.6	.1	-5.0
Durable Goods[e]	83.7	83.0	89.0	.9	-5.9
Furniture and fixtures	2.2	2.2	2.5	-3.4	-14.4
Primary metal industries	2.3	2.4	2.6	-1.3	-8.5
Fabricated metal products	12.7	12.9	14.7	-1.2	-13.3
Fabricated structural metal products	4.1	4.2	4.8	-2.3	-14.3
Machinery, except electrical	23.9	24.2	25.8	-1.1	-7.3
Metalworking machinery	12.4	12.5	13.5	-.7	-8.6
General industrial machinery	3.4	3.5	3.9	-3.2	-12.4
Electric and electronic equipment	8.3	8.2	8.7	.6	-5.2
Transportation equipment	23.5	22.4	24.7	5.2	-4.6
Motor vehicles and equipment	9.0	7.8	8.6	14.9	4.6
Nondurable Goods[f]	66.9	67.5	69.6	-.9	-3.9
Food and kindred products	15.8	16.2	16.3	-2.2	-2.9
Meat products	2.3	2.4	2.6	-2.8	-9.9
Bakery products	2.4	2.5	2.4	-2.9	.5
Beverages	4.5	4.8	4.5	-6.5	-1.8
Apparel and other textile products	3.8	3.9	3.8	-3.4	-.1
Paper and allied products	6.1	6.1	6.5	-.1	-5.6
Printing and publishing	11.6	11.6	12.0	-.2	-3.0
Chemicals and allied products	22.0	22.1	22.1	-.2	-.3
Rubber and misc. plastics products	3.9	3.9	4.5	-.5	-12.7
NONMANUFACTURING[g]	438.7	434.9	440.5	.9	-.4
CONSTRUCTION	21.2	20.5	22.6	3.6	-6.3
TRANSPORTATION AND PUBLIC UTILITIES	32.8	32.7	33.3	.1	-1.7
Communication, electric, gas services	14.3	14.3	14.2	.2	.9
WHOLESALE TRADE	37.7	37.6	37.9	.2	-.5
RETAIL TRADE	100.8	100.0	102.5	.7	-1.7
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.0	32.5	.4	-1.3
Banking	7.4	7.4	7.4	.4	-.4
Insurance carriers	11.2	11.2	11.3	.0	-.6
SERVICES	128.6	127.0	125.9	1.3	2.2
GOVERNMENT	85.1	84.7	85.4	.5	-.4
Federal government	13.3	13.6	13.5	-2.2	-1.7
State government (includes education)	18.9	18.8	18.9	.9	.4
Local government	52.9	52.4	53.1	1.0	-.3
Local government, except education	22.2	21.9	22.4	1.6	-.7
Local government education	30.7	30.5	30.7	.6	.0

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$385.56	$379.09	$360.18	40.5	40.2	41.4	$ 9.52	$ 9.43	$ 8.70
Durable Goods[d]	375.72	362.98	348.53	40.4	39.8	41.1	9.30	9.12	8.48
Furniture and fixtures	255.23	246.33	240.67	35.4	34.5	36.8	7.21	7.14	6.54
Primary metal industries	348.84	328.06	387.93	36.0	34.9	40.2	9.69	9.40	9.65
Fabricated metal products	355.60	362.23	340.31	40.0	40.7	41.4	8.89	8.90	8.22
Fabricated structural metal products	318.39	314.02	315.79	39.7	39.4	43.2	8.02	7.97	7.31
Machinery, except electrical	334.84	329.02	336.98	39.3	38.8	41.5	8.52	8.48	8.12
Metalworking machinery	353.89	346.13	366.66	38.3	37.5	42.0	9.24	9.23	8.73
General industrial machinery	352.56	340.96	315.17	40.9	39.6	40.2	8.62	8.61	7.84
Electric and electronic equipment	291.21	285.57	252.85	39.3	38.8	38.9	7.41	7.36	6.50
Transportation equipment	517.75	495.97	456.79	42.3	41.4	42.1	12.24	11.98	10.85
Motor vehicles and equipment	601.37	565.94	532.29	43.8	41.4	44.1	13.73	13.67	12.07
Nondurable Goods[e]	397.07	396.26	372.74	40.6	40.6	41.6	9.78	9.76	8.96
Food and kindred products	461.16	460.82	426.97	42.0	42.2	42.4	10.98	10.92	10.07
Meat products	470.98	477.83	461.91	42.7	43.4	43.7	11.03	11.01	10.57
Bakery products	406.66	379.08	371.52	43.4	40.5	43.1	9.37	9.36	8.62
Beverages	404.15	414.67	350.74	40.7	42.4	38.5	9.93	9.78	9.11
Apparel and other textile products	229.74	224.85	222.22	38.1	37.6	39.4	6.03	5.98	5.64
Paper and allied products	351.94	353.20	317.75	41.6	41.7	41.7	8.46	8.47	7.62
Printing and publishing	375.17	370.92	341.38	38.4	38.2	38.1	9.77	9.71	8.96
Chemicals and allied products	433.70	434.11	427.98	40.8	40.8	43.1	10.63	10.64	9.93
Rubber and misc. plastics products	316.06	310.64	327.89	41.1	40.5	43.2	7.69	7.67	7.59
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	569.46	576.05	483.23	39.3	39.7	37.2	14.49	14.51	12.99
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	392.03	388.61	364.06	38.7	38.9	39.4	10.13	9.99	9.24
WHOLESALE TRADE	310.45	308.83	293.25	39.1	38.7	39.1	7.94	7.98	7.50
RETAIL TRADE[f]	150.45	148.70	149.10	29.5	29.1	30.0	5.10	5.11	4.97
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	198.40	195.52	186.51	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]

MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	864.8	860.8	885.3	.5	- 2.3
MANUFACTURING	232.9	233.2	248.0	- .1	- 6.1
Durable Goods[e]	166.2	166.8	181.0	- .4	- 8.2
Furniture and fixtures	2.1	2.2	2.3	- 1.0	- 7.6
Primary metal industries	26.5	26.6	29.5	- .3	- 10.1
Blast furnace and basic steel products	13.8	13.8	15.7	.3	- 11.9
Iron and steel foundries	6.3	6.2	6.8	1.1	- 7.7
Nonferrous foundries	2.9	2.9	2.8	- .8	2.2
Fabricated metal products	36.6	36.6	39.5	.0	- 7.2
Fabricated structural metal products	4.2	4.2	4.5	.7	- 7.3
Screw machine products, bolts, etc.	5.6	5.7	5.8	- 1.6	- 3.9
Metal forgings and stampings	13.0	12.9	14.0	1.4	- 6.7
Machinery, except electrical	40.5	40.8	46.0	- .8	- 12.0
Construction and related machinery	6.2	6.5	8.1	- 4.0	- 23.7
Metalworking machinery	14.5	14.6	16.5	- .6	- 12.3
Special industry machinery	4.3	4.3	4.6	- .1	- 6.3
General industrial machinery	3.3	3.4	3.8	- 1.6	- 12.5
Electric and electronic equipment	24.5	24.8	24.4	- 1.2	.3
Electrical industrial apparatus	8.3	8.4	9.1	- 1.5	- 8.3
Transportation equipment	20.9	20.7	23.6	1.2	- 11.5
Motor vehicles and equipment	13.9	13.6	16.2	2.3	- 14.0
Instruments and related products	6.5	6.5	6.6	- .3	- 1.7
Nondurable Goods[f]	66.7	66.4	66.9	.5	- .3
Food and kindred products	8.1	8.1	8.4	.4	- 3.5
Bakery products	1.8	1.8	1.9	.4	- 2.7
Beverages	1.5	1.6	1.6	- .1	- 4.3
Apparel and other textile products	5.4	5.3	5.6	1.0	- 3.2
Paper and allied products	5.0	5.0	5.0	- .7	- 1.3
Printing and publishing	15.5	15.6	15.1	- .5	2.8
Chemicals and allied products	15.6	15.5	16.0	.8	- 2.6
Industrial inorganic chemicals	4.1	4.0	4.2	1.8	- 3.1
Rubber and misc. plastics products	10.8	10.6	10.8	1.7	- .4
NONMANUFACTURING[g]	631.8	627.6	637.3	.7	- .9
CONSTRUCTION	25.9[h]	25.5	27.8	1.6	- 6.9
TRANSPORTATION AND PUBLIC UTILITIES	44.5	44.3	45.1	.6	- 1.2
Communication, electric, gas services	20.0	19.9	19.7	.3	1.8
WHOLESALE TRADE	61.1	61.1	62.4	.0	- 2.0
RETAIL TRADE	135.6	133.9	138.1	1.2	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	47.7	47.4	47.6	.5	.1
Banking	13.5	13.4	13.8	.4	- 2.3
Insurance carriers	11.8	11.7	11.7	.8	1.1
SERVICES	197.8	196.9	193.4	.4	2.2
GOVERNMENT	118.0	117.1	121.7	.8	- 3.0
Federal government	19.2	19.1	19.9	.2	- 3.6
State government (includes education)	8.0	7.8	7.9	1.5	1.2
Local government	90.9	90.2	93.9	.8	- 3.2
Local government, except education	45.9	45.4	44.8	1.0	2.4
Local government education	45.1	44.7	49.1	.7	- 8.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures.
[e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing.
[f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.49	$400.60	$398.40	40.8	40.1	41.5	$10.11	$ 9.99	$ 9.60
Durable Goods[d]	435.25	421.37	419.16	41.1	40.4	42.0	10.59	10.43	9.98
Furniture and fixtures	303.75	301.90	306.94	40.5	40.2	44.1	7.50	7.51	6.96
Primary metal industries	517.50	484.79	491.48	41.7	39.9	42.7	12.41	12.15	11.51
Blast furnace and basic steel products	519.40	515.97	560.27	39.2	39.0	42.9	13.25	13.23	13.06
Iron and steel foundries	658.48	571.05	511.89	46.8	42.3	42.8	14.07	13.50	11.96
Nonferrous foundries	321.83	313.74	312.44	39.2	37.8	39.3	8.21	8.30	7.95
Fabricated metal products	423.28	417.96	398.26	40.7	40.5	41.1	10.40	10.32	9.69
Fabricated structural metal products	336.76	341.50	324.82	39.9	40.8	40.4	8.44	8.37	8.04
Screw machine products, bolts, etc.	343.42	347.99	362.44	38.2	39.1	41.0	8.99	8.90	8.84
Metal forgings and stampings	543.49	534.23	492.46	43.1	42.5	42.6	12.61	12.57	11.56
Machinery, except electrical	393.00	399.35	414.66	39.3	39.5	41.8	10.00	10.11	9.92
Construction and related machinery	436.07	437.53	442.82	38.9	39.1	40.7	11.21	11.19	10.88
Metalworking machinery	373.65	392.82	397.40	38.6	39.4	41.7	9.68	9.97	9.53
Special industry machinery	408.24	409.02	383.57	40.3	40.1	39.3	10.13	10.20	9.76
General industrial machinery	400.53	388.47	412.16	39.5	39.2	43.8	10.14	9.91	9.41
Electric and electronic equipment	347.45	349.27	359.12	39.8	40.1	42.2	8.73	8.71	8.51
Electrical industrial apparatus	332.58	347.63	419.93	35.8	37.5	45.3	9.29	9.27	9.27
Transportation equipment	563.40	517.28	487.73	45.0	42.4	43.2	12.52	12.20	11.29
Motor vehicles and equipment	607.07	552.53	508.38	46.2	43.2	43.6	13.14	12.79	11.66
Instruments and related products	310.07	322.34	300.51	39.6	40.7	40.5	7.83	7.92	7.42
Nondurable Goods[e]	347.13	339.95	333.66	39.9	39.3	40.2	8.70	8.65	8.30
Food and kindred products	373.60	362.25	337.42	42.6	41.4	40.8	8.77	8.75	8.27
Bakery products	399.47	365.31	354.69	43.0	40.5	41.1	9.29	9.02	8.63
Beverages	306.88	305.27	307.93	39.7	39.8	41.5	7.73	7.67	7.42
Apparel and other textile products	244.32	243.62	231.13	37.3	36.8	37.4	6.55	6.62	6.18
Paper and allied products	365.44	364.83	330.05	41.2	41.6	41.0	8.87	8.77	8.05
Printing and publishing	357.86	361.13	364.98	37.2	37.5	38.5	9.62	9.63	9.48
Chemicals and allied products	421.41	404.19	397.40	41.6	40.5	41.7	10.13	9.98	9.53
Industrial inorganic chemicals	422.47	377.95	402.19	40.7	38.1	39.9	10.38	9.92	10.08
Rubber and misc. plastics products	306.99	293.88	294.94	40.5	39.5	41.6	7.58	7.44	7.09
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	610.25	576.41	576.46	37.6	37.6	38.0	16.23	15.33	15.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	442.49	443.59	409.85	40.3	40.4	40.7	10.98	10.98	10.07
WHOLESALE TRADE	329.09	320.04	312.39	38.9	38.1	39.0	8.46	8.40	8.01
RETAIL TRADE[f]	162.16	158.72	156.44	28.3	27.7	28.6	5.73	5.73	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	225.23	228.11	213.01	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	507.3	504.1	510.3	.6	- .6
MANUFACTURING	87.8	88.4	94.1	- .6	- 6.7
Durable Goods[e]	54.7	55.4	60.1	- 1.2	- 9.1
Stone, clay, and glass products	8.3	8.8	9.9	- 5.5	- 16.2
Fabricated metal products	9.2	9.2	11.8	.0	- 22.0
Machinery, except electrical	10.9	10.9	11.8	.2	- 7.5
Electric and electronic equipment	11.5	11.6	11.6	- .9	- 1.1
Transportation equipment	6.4	6.5	6.0	- 1.3	6.3
Nondurable Goods[f]	33.2	33.0	34.0	.5	- 2.5
Food and kindred products	10.7	10.7	10.6	- .4	.3
Printing and publishing	8.5	8.5	8.7	.3	- 1.9
Chemicals and allied products	6.1	6.0	6.1	.4	- .6
Rubber and misc. plastics products	2.8	2.8	3.3	2.7	- 13.6
NONMANUFACTURING[g]	419.4	415.8	416.2	.9	.8
CONSTRUCTION	17.1	16.2	18.1	5.9	- 5.6
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.8	24.3	- .1	- 2.1
Communication, electric, gas services	11.5	11.5	11.5	- .1	.0
WHOLESALE TRADE	27.6	27.5	27.2	.4	1.4
RETAIL TRADE	93.5	92.0	92.2	1.6	1.4
FINANCE, INSURANCE, AND REAL ESTATE	40.6	40.5	39.0	.3	4.2
Banking	8.1	8.0	7.8	.8	3.2
Insurance carriers	17.7	17.7	17.1	.1	3.6
SERVICES	112.0	111.4	108.5	.6	3.2
GOVERNMENT	104.0	103.6	106.1	.4	- 2.0
Federal government	11.5	11.5	11.5	- .1	- .6
State government	49.8	49.5	50.0	.6	- .4
State government, except education	29.0	28.9	28.9	.1	.0
State government education[i]	20.9	20.6	21.1	1.4	- 1.0
Local government	42.7	42.6	44.5	.2	- 4.1
Local government, except education	17.1	17.1	18.6	.2	- 8.0
Local government education	25.6	25.5	25.9	.3	- 1.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$367.49	$361.69	$341.15	39.6	39.4	39.9	$ 9.28	$ 9.18	$ 8.55
Durable Goods[d]	376.83	372.09	352.04	39.5	39.5	39.6	9.54	9.42	8.89
Stone, clay, and glass products	344.93	351.74	332.51	38.8	39.7	40.5	8.89	8.86	8.21
Fabricated metal products	425.37	419.73	421.79	38.6	38.9	39.2	11.02	10.79	10.76
Machinery, except electrical	380.03	363.19	341.96	41.9	40.9	41.3	9.07	8.88	8.28
Electric and electronic equipment	371.59	369.47	340.02	39.7	39.6	39.4	9.36	9.33	8.63
Transportation equipment	445.42	439.27	369.20	40.2	40.9	40.0	11.08	10.74	9.23
Nondurable Goods[e]	350.24	341.04	319.12	39.8	39.2	40.6	8.80	8.70	7.86
Food and kindred products	352.31	335.12	312.64	41.4	39.8	41.3	8.51	8.42	7.57
Printing and publishing	401.57	387.84	347.06	38.1	37.4	37.0	10.54	10.37	9.38
Chemicals and allied products	395.73	379.60	371.95	41.7	40.0	43.0	9.49	9.49	8.65
Rubber and misc. plastics products	297.96	300.49	288.11	38.2	39.8	41.1	7.80	7.55	7.01
NONMANUFACTURING	......	......	......	....	....	....	.....	....	....
CONSTRUCTION	509.84	474.75	426.16	39.8	37.5	36.3	12.81	12.66	11.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	424.27	436.19	393.90	39.8	40.5	40.4	10.66	10.77	9.75
WHOLESALE TRADE	292.99	293.73	286.77	38.5	38.7	39.5	7.61	7.59	7.26
RETAIL TRADE[f]	147.81	146.96	140.26	28.1	28.1	29.1	5.26	5.23	4.82
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	219.77	212.94	173.81	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	346.7	346.3	354.7	.1	- 2.2
MANUFACTURING	90.0	90.6	98.3	- .7	- 8.5
Durable Goods[e]	62.4	62.7	67.2	- .5	- 7.2
Stone, clay, and glass products	2.1	2.0	2.4	1.4	- 14.8
Fabricated metal products	6.7	6.8	7.2	- 1.8	- 7.2
Machinery, except electrical	29.5	29.7	31.7	- .7	- 7.1
Metalworking machinery	6.4	6.5	7.4	- 1.8	- 13.9
Electric and electronic equipment	5.0	5.1	5.5	- .6	- 9.0
Electrical industrial apparatus	2.9	3.0	3.4	- 2.6	- 13.9
Transportation equipment	13.3	13.1	13.8	1.6	- 3.2
Nondurable Goods[f]	27.6	27.9	31.1	- 1.0	- 11.2
Food and kindred products	3.0	3.0	3.0	- .8	- 1.5
Paper and allied products	5.2	5.4	6.0	- 2.2	- 12.2
Printing and publishing	8.0	8.5	9.2	- 5.6	- 12.8
Rubber and misc. plastics products	7.6	7.4	9.2	3.2	- 16.8
NONMANUFACTURING[g]	256.7	255.8	256.4	.4	.1
CONSTRUCTION	10.7	10.0	11.3[h]	6.6	- 5.9
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.0	13.2	1.3	- .6
Communication, electric, gas services	6.4	6.4	6.6	.4	- 2.9
WHOLESALE TRADE	16.5	16.5	16.4	.2	.7
RETAIL TRADE	56.2	55.7	56.9	.9	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	13.9	13.7	13.5	.9	2.9
SERVICES	76.1	76.9	73.7	- 1.1	3.3
GOVERNMENT	69.9	69.6	71.0	.4	- 1.5
Federal government	25.7	25.5	25.6	.5	.3
State government (includes education)	6.8	6.7	5.9	2.0	15.1
Local government	37.4	37.4	39.5	.0	- 5.2
Local government, except education	12.4	12.7	14.2	- 2.0	- 12.9
Local government education	25.0	24.8	25.2	1.0	- .9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	....	....	....	....	....	....	....	....	....
MANUFACTURING	$401.39	$395.61	$395.32	39.9	39.8	41.7	$10.06	$ 9.94	$ 9.48
Durable Goods[d]	398.60	400.36	393.05	39.9	40.4	42.4	9.99	9.91	9.27
Stone, clay, and glass products	345.26	356.12	329.94	41.2	41.7	39.8	8.38	8.54	8.29
Fabricated metal products	315.99	310.81	323.21	39.4	38.9	43.5	8.02	7.99	7.43
Machinery, except electrical	420.24	431.39	403.52	40.8	41.6	42.7	10.30	10.37	9.45
Metalworking machinery	397.79	395.79	396.76	40.1	40.1	42.8	9.92	9.87	9.27
Electric and electronic equipment	294.97	298.45	302.02	39.7	39.9	42.3	7.43	7.48	7.14
Electrical industrial apparatus	319.20	322.39	333.64	39.9	40.4	43.9	8.00	7.98	7.60
Transportation equipment	496.19	479.85	518.55	39.6	39.3	42.4	12.53	12.21	12.23
Nondurable Goods[e]	407.38	384.38	398.40	39.9	38.4	40.0	10.21	10.01	9.96
Food and kindred products	395.75	381.92	373.35	39.3	38.5	39.3	10.07	9.92	9.50
Paper and allied products	334.97	328.02	353.96	41.0	40.1	42.8	8.17	8.18	8.27
Printing and publishing	377.58	371.12	407.54	37.2	36.6	39.3	10.15	10.14	10.37
Rubber and misc. plastics products	525.78	481.97	479.59	41.4	38.9	39.8	12.70	12.39	12.05
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	532.35	486.77	421.84	39.0	37.3	35.3	13.65	13.05	11.95
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	414.07	418.64	392.04	39.7	40.1	40.5	10.43	10.44	9.68
WHOLESALE TRADE	291.73	290.24	276.34	39.8	40.2	41.0	7.33	7.22	6.74
RETAIL TRADE[f]	148.12	144.78	145.82	29.1	28.5	29.4	5.09	5.08	4.96
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	288.8	285.5	295.3	1.1	- 2.2
MANUFACTURING	68.8	68.4	75.3	.6	- 8.7
Durable Goods[e]	53.5	53.2	58.5	.7	- 8.5
Stone, clay, and glass products	12.2	12.0	13.1	2.0	- 6.5
Primary metal industries	3.9	3.9	4.5	- 1.1	- 13.5
Fabricated metal products	7.1	7.0	8.0	2.6	- 11.3
Metal forgings and stampings	3.3	3.3	4.0	2.0	- 16.2
Machinery, except electrical	6.1	6.1	6.9	- .7	- 12.2
General industrial machinery	1.8	1.8	2.0	.1	- 9.9
Transportation equipment	16.5	16.3	17.4	1.2	- 4.7
Motor vehicles and equipment	15.1	14.9	16.3	1.3	- 7.0
Nondurable Goods[f]	15.3	15.2	16.9	.2	- 9.4
Food and kindred products	4.0	3.9	4.1	2.8	- 1.4
Petroleum and coal products	1.7	1.7	1.9	.0	- 13.9
Rubber and misc. plastics products	3.0	2.8	3.4	4.0	- 13.6
NONMANUFACTURING[g]	220.0	217.1	220.0	1.3	.0
CONSTRUCTION	10.9	10.3	11.6	6.0	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	19.0	18.9	19.4	.9	- 2.0
Communication, electric, gas services	7.8	7.7	7.6	.4	1.8
WHOLESALE TRADE	14.5	14.4	14.7	.4	- 1.8
RETAIL TRADE	51.1	50.4	51.6	1.3	- 1.0
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.6	10.6	1.2	1.0
SERVICES	66.4	65.9	63.7	.7	4.2
GOVERNMENT	46.8	46.0	47.9	1.7	- 2.2
State government (includes education)	15.0	14.8	14.8	1.2	1.1
Local government	29.0	28.4	[illegible]	2.1	- 4.2
Local government, except education	11.0	10.7	11.9	2.9	- 7.3
Local government education	18.0	17.7	18.4	1.7	- 2.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$442.68	$435.24	$402.11	40.8	40.3	41.2	$10.85	$10.80	$ 9.76
Durable Goods[d]	460.84	448.63	413.24	41.0	40.2	41.2	11.24	11.16	10.03
Stone, clay, and glass products	462.31	454.02	421.02	41.8	41.2	42.7	11.06	11.02	9.86
Primary metal industries	419.74	409.19	390.85	42.7	41.5	42.3	9.83	9.86	9.24
Fabricated metal products	443.21	435.01	366.00	41.0	41.0	40.0	10.81	10.61	9.15
Metal forgings and stampings	521.85	498.08	423.86	42.6	41.3	40.6	12.25	12.06	10.44
Machinery, except electrical	406.61	414.87	390.62	39.4	39.7	39.9	10.32	10.45	9.79
General industrial machinery	448.52	450.08	443.12	38.9	38.7	39.6	11.53	11.63	11.19
Transportation equipment	531.01	507.67	491.71	41.1	39.6	41.6	12.92	12.82	11.82
Motor vehicles and equipment	531.77	507.08	493.85	41.0	39.4	41.5	12.97	12.87	11.90
Nondurable Goods[e]	381.78	389.23	366.54	40.4	40.8	41.7	9.45	9.54	8.79
Food and kindred products	393.18	417.73	378.78	41.3	42.8	42.8	9.52	9.76	8.85
Petroleum and coal products	634.38	639.47	575.04	44.3	44.5	44.2	14.32	14.37	13.01
Rubber and misc. plastics products	323.51	320.74	307.22	39.5	39.5	40.8	8.19	8.12	7.53
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	637.19	627.23	532.15	39.7	39.3	36.7	16.05	15.96	14.50
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.46	457.18	399.34	40.4	41.6	41.0	11.15	10.99	9.74
WHOLESALE TRADE	333.76	323.85	295.97	38.9	38.1	37.8	8.58	8.50	7.83
RETAIL TRADE[f]	157.72	154.15	155.17	29.1	28.6	29.5	5.42	5.39	5.26
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MAY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1982[b]	April 1982[c]	May 1981[c]	April 1982	May 1981
TOTAL	190.9	186.8	203.0	2.2	- 6.0
MANUFACTURING	58.1	55.9	69.8	4.0	- 16.8
Durable Goods[e]	52.5	50.3	64.2	4.4	- 18.1
Stone, clay, and glass products	1.8	1.7	1.9	2.8	- 5.9
Primary metal industries	25.0	24.9	30.3	.6	- 17.5
Blast furnace and basic steel products	12.5	12.8	15.4	- 2.1	- 19.1
Fabricated metal products	8.7	8.8	9.5	- .5	- 7.9
Fabricated structural metal products	2.7	2.7	2.7	1.5	- .1
Machinery, except electrical	5.2	5.3	5.5	- 3.0	- 6.5
Metalworking machinery	2.5	2.5	2.5	.0	- .6
Electric and electronic equipment	3.0	3.0	3.0	- .3	- 2.2
Transportation equipment	7.3	4.9	12.1	46.7	- 40.1
Nondurable Goods[f]	5.6	5.6	5.6	- .2	- 1.2
NONMANUFACTURING[g]	132.8	130.9	133.3	1.5	- .3
CONSTRUCTION	5.8	5.5	6.1	4.9	- 5.1
TRANSPORTATION AND PUBLIC UTILITIES	9.0	8.9	9.3	1.3	- 3.5
Communication, electric, gas services	3.3	3.3	3.3	- .2	.5
WHOLESALE TRADE	7.7	7.7	7.7	.0	.0
RETAIL TRADE	36.1	35.7	36.4	1.2	- .7
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	7.1	1.0	2.6
SERVICES	39.8	39.5	39.3	.9	1.2
GOVERNMENT	26.2	25.6	26.5	2.5	- 1.0
Local government (includes education)	20.4	20.1	20.7	1.4	- 1.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MAY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1982[b]	April 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]	May 1982[b]	Apr. 1982[c]	May 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$460.18	$447.37	$472.53	39.5	38.6	40.7	$11.65	$11.59	$11.61
Durable Goods[d]	470.83	460.11	485.52	39.4	38.6	40.8	11.95	11.92	11.90
Stone, clay, and glass products	323.74	318.19	293.17	37.6	36.7	36.6	8.61	8.67	8.01
Primary metal industries	476.63	479.31	517.01	37.5	37.3	41.0	12.71	12.85	12.61
Blast furnace and basic steel products	498.92	494.91	541.11	37.4	37.1	40.9	13.34	13.34	13.23
Fabricated metal products	454.35	462.95	529.10	38.8	39.4	43.8	11.71	11.75	12.08
Fabricated structural metal products	347.39	332.70	353.43	36.8	36.4	38.5	9.44	9.14	9.18
Machinery, except electrical	436.59	429.78	415.34	38.5	38.0	38.0	11.34	11.31	10.93
Metalworking machinery	449.80	439.18	434.85	39.7	38.9	39.0	11.33	11.29	11.15
Electric and electronic equipment	363.37	365.98	331.57	40.6	40.8	39.9	8.95	8.97	8.31
Transportation equipment	600.79	537.54	492.88	46.9	42.9	40.4	12.81	12.53	12.20
Nondurable Goods[e]	335.16	324.29	313.96	39.9	39.3	40.2	8.40	8.25	7.81
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	478.17	503.01	538.88	34.6	35.7	37.5	13.82	14.09	14.37
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	404.15	408.62	410.21	39.7	40.1	43.5	10.18	10.19	9.43
WHOLESALE TRADE	335.47	323.70	302.18	39.7	39.0	39.5	8.45	8.30	7.65
RETAIL TRADE[f]	156.46	152.68	152.87	29.3	28.7	29.8	5.34	5.32	5.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 3,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JUNE 1982

Unemployment in Ohio rose from 566,000 in May to 644,000 in June, lifting the jobless rate from 11.1 to 12.3 percent of the civilian labor force. Total employment nevertheless advanced 1.8 percent, to 4,607,000. Nonfarm payroll employment was estimated at 4,257,000 in June.

Factory employment in Ohio increased .5 percent from May, to 1,135,000. Manufacturers of autos and parts reported recall of several hundred workers. New orders also led to employment gains in iron and steel castings, glassware, and beverages. On the other hand, cutbacks were reported in the manufacture of construction and metalworking machinery, and hardware. Much of the decline in commercial printing was attributable to a plant shutdown.

Employment in Ohio's nonmanufacturing industries totaled 3,122,000 in June, up marginally from May. The increase stemmed from seasonal hiring in outdoor amusements, drive-ins, and eating and drinking places. Construction advanced toward its summer peak, despite curtailed activity due to labor-management disputes. Gains were tempered, however, as schools and colleges furloughed several thousand nonteaching personnel.

Average weekly earnings of Ohio's factory production workers advanced more than $8 from May, to a record $412 in June. The average workweek, at 40.6 hours, was .4 hours longer. Stepped-up overtime was reported in several industries, notably motor vehicles, automotive stampings, special industry machinery, and nonferrous rolling and drawing. Producers of basic steel and household appliances reported higher gross earnings, due to longer hours, although the average workweek for these industries remained below 40 hours. Wage-rate increases boosted earnings in the production of beverages, while higher averages in the manufacture of aircraft components and plastic products reflected both overtime and hourly-rate hikes. Meat processors and producers of electrical automotive components, however, reported overtime curtailments.

The number of jobless Ohioans increased by over 200,000 between June 1981 and June 1982, raising the unemployment rate from 8.5 to 12.3 percent. Total employment slipped 2.1 percent, as nonfarm payrolls declined 2.9 percent. Recessionary losses in manufacturing--down nearly 10 percent over the year--were concentrated in primary metals, nonelectrical machinery, and metal fabrication. Nonmanufacturing dipped fractionally as gains in services moderated cutbacks in government, construction, and retailing. Production workers in Ohio factories grossed $15 more per week in June 1982 than in June of last year, despite a reduction of .8 hours in their average workweek.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Workers on nonfarm payrolls in Akron numbered 254,800 in June, down 2,500 from May. Seasonal cutbacks in state universities lowered nonmanufacturing, despite gains in other component industries. Manufacturing, at 71,300, was little changed from May. Production workers in factories grossed $9.81 per hour, up 3¢ from May. Their average workweek rose .3 hours, to 41.3 for the month.

Canton.--Canton's nonagricultural wage and salary employment advanced 700 from May, to 155,300 in June. The increase occurred in manufacturing--up 700, to 51,700--due to recalls of foundry workers. Curtailments in education were offset by seasonal gains in other nonmanufacturing industries. The workweek and hourly earnings of the average manufacturing production worker, at 39.7 hours and $10.21 an hour, were up .8 hours and 8¢, respectively, from the previous month.

Cincinnati.--Nonfarm employment in the Cincinnati area totaled 592,200 in June, up 2,800 from May. Manufacturing rose 800, to 151,800, with gains concentrated in durable goods. Seasonal hiring--notably in services--lifted nonmanufacturing for June, despite declines in education. Earnings of factory production workers rose 10¢, to $9.63 an hour. Average weekly hours, at 40.8, were up .2 hours from May.

Cleveland.--Nonfarm establishments in Cleveland employed 870,000 in June, up 3,900 from May. Nonmanufacturing accounted for most of the increase, with seasonal gains tempered by cutbacks among public schools. Expansion in nondurable-goods industries boosted manufacturing, up 200, to 232,800 in June; durable goods, however, decreased. The average workweek for factory production workers, at 41.1 hours, was .6 hours longer than in May. Their average hourly earnings rose 12¢, to $10.24 in June.

Columbus.--Columbus' nonagricultural wage and salary employment totaled 508,400 in June, up 2,100 from May. Most of the gain occurred in nonmanufacturing, as seasonal increases in services were partially offset by labor-management disputes in construction coupled with temporary layoffs in education. Recalls in glass and glassware boosted manufacturing by 500, to 88,300 for the month. Production workers in manufacturing industries grossed $9.30 per hour in June, up 3¢ from May. Their average workweek, at 40.2 hours, was .5 hours longer.

Dayton.--Nonfarm payroll employment in Dayton increased 1,600 from May, to 348,200 in June. Manufacturing rose 500, with gains among durable-goods industries moderated by a loss in printing and publishing. Seasonal hiring boosted nonmanufacturing, notably the service and construction industries. The average workweek of factory production workers increased 1.2 hours, to 41.2 hours in June. Hourly earnings rose 36¢, to $10.42 for the month.

Toledo.--Nonagricultural establishments in Toledo employed 288,200 wage and salary workers in June, down 400 from May. The loss was concentrated in nonmanufacturing industries, due to seasonal layoffs of school employees and labor-management disputes in construction. Manufacturing, at 69,100, was unchanged from last month. The average factory production worker grossed $10.98 per hour for a workweek of 41.7 hours--up 7¢ and .7 hours from May averages.

Youngstown-Warren.--June nonfarm payroll employment in the Youngstown-Warren area totaled 191,700, up 1,300 from May. Seasonal expansion in nonmanufacturing industries--services, construction, and retail trade--was responsible for most of the gain. Manufacturing rose 200, to 58,000 for the month. The average factory production workweek, at 40.0 hours, was .7 hours longer, while average hourly earnings, at $11.69, were little changed from the previous month.

Division of Research and Statistics
Ohio Bureau of Employment Services
7-16-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	265.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	890.8	508.3	353.4	290.9	199.1
1981								
June	259.4	158.9	600.5	893.2	512.7	355.2	298.1	204.4
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	254.8	155.3	592.2	870.0	508.4	348.2	288.2	191.7
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
June	77.3	55.9	160.1	251.3	94.4	98.4	76.1	69.9
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	71.3	51.7	151.8	232.8	88.3	90.7	69.1	58.0

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[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	69.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
June	45.1	40.6	105.5	166.2	62.4	64.9	50.5	53.3
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.9	36.5	99.2	147.9	56.8	58.6	45.2	42.0
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
June	42.4	40.4	41.3	42.0	39.9	42.5	41.3	41.4
July	41.9	39.8	40.9	40.6	39.5	41.6	40.4	40.4
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.3	39.7	40.8	41.1	40.2	41.2	41.7	40.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
June	9.53	9.76	8.69	9.79	8.65	9.67	9.97	11.70
July	9.57	9.73	8.73	9.65	8.59	9.63	9.91	11.65
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.21	9.63	10.24	9.30	10.42	10.98	11.69
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
June	404.07	394.30	358.90	411.18	345.14	410.98	411.76	484.38
July	400.98	387.25	357.06	391.79	339.31	400.61	400.36	470.66
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	393.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	405.15	405.34	392.90	420.86	373.86	429.30	457.87	467.60

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
May	308.4	283.6	24.8	8.0	May	191.0	175.6	15.3	8.0
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May[p]	301.9	270.8	31.0	10.3	May[p]	190.2	166.9	23.3	12.2
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	600.6	562.6	38.0	6.3	1976	897.7	834.4	63.3	7.0
1977	619.1	584.6	34.4	5.6	1977	908.5	854.4	54.0	5.9
1978	642.8	610.5	32.3	5.0	1978	921.7	878.5	43.2	4.7
1979	657.9	622.9	35.1	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
May	688.1	636.6	51.4	7.5	May	942.6	875.3	67.3	7.1
June	684.9	629.9	55.0	8.0	June	942.1	869.6	72.6	7.7
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May[p]	675.9	611.0	64.9	9.6	May[p]	919.9	833.3	86.5	9.4

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census (only 1980 - 1982 data in Cincinnati area). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		COLUMBUS[f]					DAYTON[g]		
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
May	571.5	533.4	38.0	6.7	May	396.4	368.4	27.9	7.1
June	569.3	528.1	41.2	7.2	June	393.2	363.4	29.8	7.6
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September ..	561.3	511.9	49.4	8.8	September .	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October ...	389.7	356.4	33.3	8.5
November ...	570.6	520.4	50.2	8.8	November ..	393.8	357.1	36.7	9.3
December ...	563.4	514.2	49.2	8.7	December ..	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January ...	389.5	349.7	39.8	10.2
February ...	547.5	498.2	49.4	9.0	February ..	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May[p]	565.1	517.1	48.0	8.5	May[p]	390.3	350.0	40.3	10.3
		TOLEDO[h]					YOUNGSTOWN-WARREN[i]		
1971	319.5	300.4	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.3	311.3	18.0	5.5	1972	226.9	212.1	14.8	6.5
1973	340.0	324.3	15.7	4.6	1973	232.5	221.8	10.8	4.6
1974	344.3	324.6	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	345.8	311.2	34.7	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
May	373.2	339.6	33.6	9.0	May	235.4	214.3	21.1	8.9
June	373.9	339.2	34.7	9.3	June	234.5	212.3	22.1	9.4
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September ..	365.7	324.9	40.8	11.2	September .	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October ...	230.2	204.9	25.3	11.0
November ...	368.8	326.1	42.6	11.6	November ..	235.0	205.6	29.4	12.5
December ...	365.4	319.9	45.5	12.4	December ..	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January ...	232.6	196.1	36.5	15.7
February ...	355.7	310.0	45.7	12.8	February ..	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May[p]	365.0	325.3	39.7	10.9	May[p]	236.9	196.3	40.6	17.1

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1970 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands) Civilian Labor Force	OHIO (in thousands) Total Employed	OHIO (in thousands) Total Unemployed	Unemployment Rate OHIO	Unemployment Rate U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
June	5,144	4,707	437	8.5	7.7
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
June ...	4,384.6	1,256.2	3,128.4
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,257.2	1,135.2	3,122.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
June	31.6	161.6	220.0	232.6	720.5	206.4	870.0	685.6
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.4	149.6	216.2	231.0	711.0	207.6	899.9	673.3

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
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EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
June	1,256.2	879.3	376.9	869.0	345.4	36.0
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October	1,232.0	858.2	373.8	848.8	334.0	34.3
November	1,211.9	841.1	370.8	830.6	331.0	33.8
December	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January	1,167.1	804.8	362.3	789.1	305.8	31.0
February	1,148.9	789.3	359.7	773.7	306.2	31.0
March	1,147.4	789.7	357.7	773.5	306.2	30.9
April	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,135.2	778.3	356.9	763.1	314.5	31.0

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
June	397.44	411.27	359.98	41.4	41.5	41.0	9.60	9.91	8.78
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	412.09	426.13	380.16	40.6	40.7	40.4	10.15	10.47	9.41

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	68.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.3	70.5	66.3	89.0
1981									
June	62.8	141.4	158.6	206.7	103.3	142.3	70.5	66.1	90.7
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.8	181.9	96.2	129.3	68.6	63.6	81.9
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.97	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
June	348.02	496.69	400.46	393.12	350.33	492.20	357.62	348.91	375.84
July	349.57	486.38	385.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	375.77	494.48	408.80	401.79	364.05	543.84	386.91	355.26	388.55

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	4257.2	4244.4	4384.6	.3	- 2.9
MANUFACTURING	1135.2	1129.5	1256.2	.5	- 9.6
Durable Goods[e]	778.3	773.4	879.3	.6	- 11.5
Lumber and wood products	13.2	13.1	14.0	.6	- 5.6
Furniture and fixtures	13.3	13.5	15.1	- 1.7	- 12.1
Household furniture	6.3	6.4	7.2	- .3	- 12.5
Stone, clay, and glass products	54.9	54.2	62.8	1.3	- 12.5
Glass and glassware, pressed or blown	13.7	13.2	15.3	3.7	- 10.5
Structural clay products	4.4	4.3	6.2	3.7	- 27.8
Pottery and related products	5.9	5.9	6.7	- .2	- 12.5
Primary metal industries	116.4	115.3	141.4	1.0	- 17.6
Blast furnace and basic steel products	58.9	59.0	74.2	- .2	- 20.6
Iron and steel foundries	24.3	23.3	29.2	4.4	- 16.7
Nonferrous rolling and drawing	18.4	18.0	20.1	2.5	- 8.3
Nonferrous foundries	8.5	8.6	10.2	- 1.6	- 16.6
Fabricated metal products	138.8	138.6	158.6	.1	- 12.5
Cutlery, hand tools, and hardware	11.0	11.2	13.6	- 1.4	- 18.8
Plumbing and heating, except electric	4.6	4.5	5.3	2.0	- 13.6
Fabricated structural metal products	33.3	33.0	36.6	.9	- 9.0
Screw machine products, bolts, etc.	9.4	9.4	10.6	.1	- 11.2
Metal forgings and stampings	39.0	38.7	46.7	.9	- 16.5
Machinery, except electrical	181.9	183.3	206.7	- .7	- 12.0
Construction and related machinery	21.5	22.1	26.1	- 2.7	- 17.6
Metalworking machinery	48.3	48.8	56.0	- 1.1	- 13.7
Special industry machinery	19.8	20.1	21.6	- 1.4	- 8.2
General industrial machinery	35.3	35.2	39.6	.2	- 10.9
Electric and electronic equipment	96.2	95.4	103.3	.8	- 6.9
Electrical industrial apparatus	21.0	21.2	24.1	- 1.0	- 12.7
Household appliances	16.4	15.5	18.2	5.8	- 9.8
Electric lighting and wiring equipment	19.6	19.4	20.2	.9	- 3.3
Communication equipment	12.1	12.1	11.8	.3	2.5
Transportation equipment	129.3	126.6	142.3	2.1	- 9.2
Motor vehicles and equipment	83.6	82.1	96.8	1.9	- 13.6
Aircraft and parts	37.2	36.8	36.3	1.0	2.4
Instruments and related products	20.7	20.4	21.5	1.7	- 3.8
Measuring and controlling devices	12.2	12.1	13.4	.9	- 8.7
Nondurable Goods[f]	356.9	356.1	376.9	.2	- 5.3
Food and kindred products	68.6	67.6	70.5	1.4	- 2.7
Meat products	11.2	11.2	11.9	.4	- 5.5
Dairy products	11.4	11.3	12.1	1.2	- 5.7
Bakery products	11.3	11.3	11.7	.5	- 3.1
Beverages	10.8	10.4	11.0	3.4	- 2.0
Textile mill products	4.5	4.6	4.9	- 1.1	- 7.3
Apparel and other textile products	16.7	16.7	17.2	.4	- 2.6
Paper and allied products	35.5	35.6	38.4	- .4	- 7.5
Paper mills, except building paper	8.9	8.8	10.1	1.2	- 11.5
Misc. converted paper products	11.4	11.4	11.9	.0	- 3.7
Paperboard containers and boxes	11.8	12.0	12.9	- 1.3	- 8.4
Printing and publishing	63.6	64.2	66.1	- 1.0	- 3.8
Newspapers	19.4	19.3	19.3	.2	.1
Commercial printing	22.9	23.5	25.4	- 2.5	- 9.6
Chemicals and allied products	67.1	66.9	68.9	.3	- 2.6
Industrial inorganic chemicals	12.9	12.9	13.2	.4	- 1.8
Plastics materials and synthetics	9.1	9.2	9.9	- .5	- 7.6
Petroleum and coal products	13.5	13.4	14.7	1.0	- 8.0
Rubber and misc. plastics products	81.9	81.6	90.7	.3	- 9.7
Tires and inner tubes	22.1	22.3	25.0	- 1.0	- 11.7
Miscellaneous plastics products	40.2	39.9	44.9	.7	- 10.5
Leather and leather products	5.3	5.3	5.5	- .4	- 2.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.09	$403.61	$397.44	40.6	40.2	41.4	$10.15	$10.04	$ 9.60
Durable Goods[d]	426.13	414.63	411.27	40.7	40.1	41.5	10.47	10.34	9.91
Lumber and wood products	284.26	284.47	265.07	39.1	39.4	39.8	7.27	7.22	6.66
Furniture and fixtures	291.33	287.51	280.76	39.0	38.8	39.6	7.47	7.41	7.09
Household furniture	259.35	256.41	242.89	39.0	38.5	38.8	6.65	6.66	6.26
Stone, clay, and glass products	375.77	372.20	348.02	40.8	40.5	40.8	9.21	9.19	8.53
Glass and glassware, pressed or blown	383.90	366.15	361.20	39.7	38.3	40.0	9.67	9.56	9.03
Structural clay products	293.34	292.93	277.57	41.2	41.2	41.0	7.12	7.11	6.77
Pottery and related products	302.63	295.64	275.08	38.7	38.0	38.1	7.82	7.78	7.22
Primary metal industries	494.48	473.07	496.69	40.3	39.0	42.2	12.27	12.13	11.77
Blast furnace and basic steel products	518.50	487.12	543.15	39.4	37.1	42.5	13.16	13.13	12.78
Iron and steel foundries	476.64	477.88	451.02	40.6	41.7	41.8	11.74	11.46	10.79
Nonferrous rolling and drawing	505.12	483.09	478.58	41.1	39.5	40.8	12.29	12.23	11.73
Nonferrous foundries	351.24	352.35	341.94	40.7	41.6	41.7	8.63	8.47	8.20
Fabricated metal products	408.80	400.57	400.46	40.0	39.7	41.2	10.22	10.09	9.72
Cutlery, hand tools, and hardware	393.72	384.53	409.86	38.6	38.3	39.6	10.20	10.04	10.35
Plumbing and heating, except electric	338.83	336.80	317.75	37.9	37.8	38.1	8.94	8.91	8.34
Fabricated structural metal products	347.92	354.28	337.66	37.9	38.3	39.4	9.18	9.25	8.57
Screw machine products, bolts, etc.	349.58	345.54	354.16	39.5	39.4	40.2	8.85	8.77	8.81
Metal forgings and stampings	505.36	485.44	501.12	41.8	41.0	43.5	12.09	11.84	11.52
Machinery, except electrical	401.79	387.29	393.12	40.3	39.6	41.6	9.97	9.78	9.45
Construction and related machinery	398.38	395.97	386.38	39.6	39.4	40.8	10.06	10.05	9.47
Metalworking machinery	377.33	376.94	380.26	38.7	38.9	40.8	9.75	9.69	9.32
Special industry machinery	388.38	368.24	368.49	42.4	40.6	42.6	9.16	9.07	8.65
General industrial machinery	390.45	389.65	381.10	39.4	39.2	40.2	9.91	9.94	9.48
Electric and electronic equipment	364.05	366.96	350.33	39.7	39.8	40.5	9.17	9.22	8.65
Electrical industrial apparatus	341.00	344.18	370.64	38.1	38.2	42.7	8.95	9.01	8.68
Household appliances	376.66	366.05	348.79	39.9	38.9	39.5	9.44	9.41	8.83
Electric lighting and wiring equipment	357.28	372.94	320.38	40.6	41.3	39.7	8.80	9.03	8.07
Communication equipment	390.00	393.61	367.46	39.0	39.4	39.3	10.00	9.99	9.35
Transportation equipment	543.84	522.22	492.20	44.0	42.7	43.1	12.36	12.23	11.42
Motor vehicles and equipment	580.11	553.78	520.78	44.9	43.4	43.8	12.92	12.76	11.89
Aircraft and parts	447.72	435.11	403.40	41.0	40.4	40.3	10.92	10.77	10.01
Instruments and related products	279.30	281.19	266.93	38.9	39.0	40.2	7.18	7.21	6.64
Measuring and controlling devices	275.04	279.80	272.28	38.2	38.7	40.7	7.20	7.23	6.69
Nondurable Goods[e]	380.16	377.21	359.98	40.4	40.3	41.0	9.41	9.36	8.78
Food and kindred products	386.91	385.40	357.62	40.9	41.0	41.2	9.46	9.40	8.68
Meat products	413.91	427.87	386.78	40.5	41.5	40.5	10.22	10.31	9.55
Dairy products	387.19	381.92	336.18	43.8	43.4	42.5	8.84	8.80	7.91
Bakery products	376.54	374.00	360.39	40.1	40.0	42.2	9.39	9.35	8.54
Beverages	338.07	324.70	331.27	37.9	37.8	40.3	8.92	8.59	8.22
Textile mill products	266.17	273.91	267.30	39.2	40.4	40.5	6.79	6.78	6.60
Apparel and other textile products	218.67	215.28	209.81	37.0	36.8	37.2	5.91	5.85	5.64
Paper and allied products	387.43	384.77	362.45	43.0	42.8	43.2	9.01	8.99	8.39
Paper mills, except building paper	488.05	494.56	461.27	47.2	47.6	48.3	10.34	10.39	9.55
Misc. converted paper products	333.30	330.46	313.29	40.4	40.3	40.9	8.25	8.20	7.66
Paperboard containers and boxes	357.86	351.07	324.24	42.3	41.4	41.2	8.46	8.48	7.87
Printing and publishing	355.26	358.45	348.91	37.2	37.3	38.3	9.55	9.61	9.11
Newspapers	325.62	332.59	319.34	32.4	32.8	33.9	10.05	10.14	9.42
Commercial printing	356.44	366.53	369.57	38.0	38.3	39.4	9.38	9.57	9.38
Chemicals and allied products	419.42	413.71	392.40	41.2	40.8	41.7	10.18	10.14	9.41
Industrial inorganic chemicals	440.84	434.68	419.20	41.2	40.7	41.3	10.70	10.68	10.15
Plastics materials and synthetics	461.10	450.88	422.38	43.5	42.9	43.1	10.60	10.51	9.80
Petroleum and coal products	582.82	606.15	515.31	43.3	44.9	42.8	13.46	13.50	12.04
Rubber and misc. plastics products	388.55	380.55	375.84	40.9	40.7	41.9	9.50	9.35	8.97
Tires and inner tubes	502.94	524.96	521.41	41.6	43.1	44.3	12.09	12.18	11.77
Miscellaneous plastics products	373.30	352.04	357.57	40.4	39.6	41.1	9.24	8.89	8.70
Leather and leather products	189.85	190.94	185.47	36.3	36.3	36.8	5.23	5.26	5.04

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JUNE 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
NONMANUFACTURING	3122.0	3114.9	3128.4	.2	- .2
MINING	33.4	32.9	31.6	1.5	5.8
Bituminous coal and lignite mining	14.3	14.2	13.8	.1	3.5
CONSTRUCTION	149.6	145.6	161.6	2.7	- 7.4
General building contractors	35.0	34.6	38.3	1.2	- 8.7
Heavy construction contractors	25.5	24.3	27.1	5.0	- 6.0
TRANSPORTATION AND PUBLIC UTILITIES	216.2	215.1	220.0	.5	- 1.7
Railroad transportation	24.6	24.6	25.7	- .3	- 4.3
Transportation, except railroads	95.4	94.7	98.0	.8	- 2.6
Trucking and warehousing	71.0	70.6	73.4	.6	- 3.3
Communication, electric, gas services	96.2	95.7	96.4	.5	- .2
Communication	54.7	54.7	55.2	.1	- .9
Electric, gas, and sanitary services	41.5	41.1	41.2	.9	.7
WHOLESALE TRADE	231.0	229.6	232.6	.6	- .7
Wholesale trade-durable goods	148.5	147.8	150.2	.5	- 1.1
Motor vehicles & automotive equipment	20.6	20.5	21.4	.5	- 3.8
Electrical goods	19.4	19.4	19.6	.4	- .7
Machinery, equipment, and supplies	62.3	62.0	62.2	.5	.1
Wholesale trade-nondurable goods	82.5	81.8	82.5	.8	.1
Groceries and related products	24.5	24.1	24.2	1.8	1.2
RETAIL TRADE	711.0	708.5	720.5	.3	- 1.3
General merchandise stores	108.7	109.2	116.6	- .4	- 6.8
Department stores	99.0	99.4	106.3	- .5	- 6.9
Food stores	116.6	116.1	117.0	.4	- .3
Automotive dealers & service stations	71.2	70.7	74.3	.7	- 4.2
Apparel and accessory stores	34.5	34.4	34.5	.2	.0
FINANCE, INSURANCE, AND REAL ESTATE	207.6	205.8	206.4	.9	.6
Banking	59.3	59.0	59.6	.6	- .5
Credit agencies other than banks	30.8	30.6	30.6	.4	.6
Insurance carriers	59.1	58.9	58.7	.3	.6
SERVICES	899.9	890.1	870.0	1.1	3.4
Hotels and other lodging places	34.0	32.8	33.3	3.7	2.1
Laundry, cleaning, & garment services	17.6	17.4	17.9	1.1	- 1.8
Business services	132.3	130.3	127.2	1.5	4.0
Health services	313.7	310.7	296.5	1.0	5.8
Hospitals	173.4	171.6	164.8	1.0	5.2
GOVERNMENT	673.3	687.3	685.6	- 2.0	- 1.8
Federal government	89.0	88.4	90.5	.8	- 1.6
State government	137.6	144.8	139.9	- 5.0	- 1.6
State government, except education	71.5	70.8	72.4	1.0	- 1.2
State government education[i]	66.1	74.0	67.4	- 10.7	- 2.0
Local government	446.6	454.1	455.3	- 1.6	- 1.9
Local government, except education	191.2	186.5	194.4	2.5	- 1.6
Local government education	255.4	267.6	260.9	- 4.5	- 2.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes, [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JUNE 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$438.70	$441.18	$437.36	42.8	43.0	44.0	$10.25	$10.26	$ 9.94
Bituminous coal and lignite mining	522.86	514.58	519.16	42.2	41.7	42.8	12.39	12.34	12.13
CONSTRUCTION	542.42	547.50	514.52	37.0	38.1	38.0	14.66	14.37	13.54
General building contractors	490.93	500.61	466.42	36.5	37.0	36.9	13.45	13.53	12.64
Heavy construction contractors	553.81	588.29	520.61	37.7	40.6	39.5	14.69	14.49	13.18
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	458.19	464.63	448.47	37.1	37.5	38.2	12.35	12.39	11.74
Communication, electric, gas services	417.91	412.40	386.51	40.3	40.0	40.9	10.37	10.31	9.45
Communication	400.53	396.70	378.39	39.5	39.2	40.6	10.14	10.12	9.32
Electric, gas, and sanitary services	440.67	432.55	398.27	41.3	41.0	41.4	10.67	10.55	9.62
WHOLESALE TRADE	307.28	306.89	296.35	38.7	38.7	39.2	7.94	7.93	7.56
Wholesale trade-durable goods	301.47	298.38	292.25	39.0	38.7	39.6	7.73	7.71	7.38
Motor vehicles & automotive equipment	250.24	249.95	280.76	37.8	37.7	39.6	6.62	6.63	7.09
Electrical goods	254.48	251.78	245.86	37.7	37.3	38.0	6.75	6.75	6.47
Machinery, equipment, and supplies	328.60	327.32	302.20	39.4	39.2	39.4	8.34	8.35	7.67
Wholesale trade-nondurable goods	316.54	323.20	302.21	38.0	38.8	38.4	8.33	8.33	7.87
Groceries and related products	355.93	354.50	342.36	41.1	40.7	41.7	8.66	8.71	8.21
RETAIL TRADE[f]	153.76	152.54	150.88	29.4	29.0	29.7	5.23	5.26	5.08
General merchandise stores	156.52	155.40	151.50	30.1	29.6	30.0	5.20	5.25	5.05
Department stores	158.63	157.47	153.42	30.1	29.6	30.2	5.27	5.32	5.08
Food stores	228.24	222.38	230.71	31.7	30.8	33.1	7.20	7.22	6.97
Automotive dealers & service stations	199.72	200.51	201.40	37.4	37.2	38.0	5.34	5.39	5.30
Apparel and accessory stores	113.58	113.13	111.38	27.5	27.0	27.1	4.13	4.19	4.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	199.27	198.98	183.96	....	....	....	....	....	....
Credit agencies other than banks	199.96	200.31	188.43	....	....	....	....	....	....
Insurance carriers	269.74	269.60	251.10	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	263.84	259.63	236.64	34.0	33.5	34.0	7.76	7.75	6.96
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	254.8	257.3	259.4	- 1.0	- 1.8
MANUFACTURING	71.3	71.4	77.3	- .2	- 7.8
Durable Goods[e]	35.7	35.8	38.5	- .1	- 7.1
Stone, clay, and glass products	1.7	1.7	1.9	.8	- 11.9
Fabricated metal products	13.5	13.5	14.7	.1	- 8.2
Machinery, except electrical	10.0	9.9	10.8	.2	- 8.1
Special industry machinery	1.9	1.9	2.1	- 1.4	- 9.8
Nondurable Goods[f]	35.5	35.6	38.8	- .2	- 8.6
Food and kindred products	2.8	2.9	3.1	- 1.4	- 7.3
Chemicals and allied products	3.6	3.6	3.8	.2	- 3.7
Rubber and misc. plastics products	24.0	24.1	26.9	- .2	- 10.8
Tires and inner tubes	18.0	18.3	20.7	- 1.3	- 13.1
NONMANUFACTURING[g]	183.5	185.9	182.1	- 1.3	.8
CONSTRUCTION	7.5	7.2	8.2	4.0	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.5	14.0	.0	- 3.6
Communication, electric, gas services	5.6	5.5	5.5	.7	.7
WHOLESALE TRADE	12.3	12.2	12.2	.8	1.5
RETAIL TRADE	45.9	45.4	46.0	1.2	- .2
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.2	9.2	.9	.1
SERVICES	54.8	53.5	53.3	2.5	3.0
GOVERNMENT	39.4	44.2	38.5	- 10.8	2.3
State government (includes education)	10.1	14.5	9.4	- 30.5	7.5
Local government (includes education)	27.3	27.6	27.1	- 1.3	.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$405.15	$400.98	$404.07	41.3	41.0	42.4	$ 9.81	$ 9.78	$ 9.53
Durable Goods[d]	402.14	390.86	388.16	41.5	40.8	42.1	9.69	9.58	9.22
Stone, clay, and glass products	387.82	385.90	362.95	42.9	42.5	42.7	9.04	9.08	8.50
Fabricated metal products	394.42	385.59	400.46	39.8	39.3	41.2	9.91	9.81	9.72
Machinery, except electrical	412.47	396.58	391.50	43.1	42.1	43.5	9.57	9.42	9.00
Special industry machinery	382.37	343.01	354.89	43.5	39.7	42.4	8.79	8.64	8.37
Nondurable Goods[e]	409.18	415.24	423.72	41.0	41.4	42.8	9.98	10.03	9.90
Food and kindred products	441.35	424.39	382.05	45.5	44.3	45.0	9.70	9.58	8.49
Chemicals and allied products	420.43	405.37	405.92	41.3	40.7	43.0	10.18	9.96	9.44
Rubber and misc. plastics products	421.89	442.85	456.56	41.2	42.5	43.9	10.24	10.42	10.40
Tires and inner tubes	531.30	557.87	555.38	42.1	44.1	45.3	12.62	12.65	12.26
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	559.77	560.27	541.89	39.7	38.8	40.5	14.10	14.44	13.38
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	408.18	407.15	384.58	39.9	39.8	41.0	10.23	10.23	9.38
WHOLESALE TRADE	285.76	282.50	284.02	39.8	39.4	38.8	7.18	7.17	7.32
RETAIL TRADE[f]	172.10	168.99	168.95	30.3	29.7	31.0	5.68	5.69	5.45
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	155.3	154.6	158.9	.4	- 2.3
MANUFACTURING	51.7	51.0	55.9	1.4	- 7.5
Durable Goods[e]	39.9	39.2	43.8	1.9	- 8.7
Stone, clay, and glass products	1.9	1.9	2.1	.9	- 10.4
Primary metal industries	12.1	11.4	14.7	6.3	- 17.6
Fabricated metal products	9.3	9.3	10.1	.4	- 7.3
Fabricated structural metal products	3.3	3.3	3.4	- .1	- 4.0
Metal forgings and stampings	2.5	2.5	3.1	.7	- 19.8
Nondurable Goods[f]	11.8	11.8	12.2	- .4	- 3.1
Food and kindred products	4.1	4.1	4.3	.6	- 4.4
Rubber and misc. plastics products	3.1	3.1	3.1	1.0	- .7
NONMANUFACTURING[g]	103.5	103.6	103.0	.0	.6
CONSTRUCTION	5.3	5.2	5.2	2.0	.9
TRANSPORTATION AND PUBLIC UTILITIES	7.1	7.0	7.0	.4	1.4
Communication, electric, gas services	3.0	3.0	3.0	.1	1.2
WHOLESALE TRADE	7.4	7.3	7.5	1.5	- 1.0
RETAIL TRADE	26.2	26.1	26.2	.2	- .1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.3	1.6	3.4
SERVICES	31.0	30.7	30.6	1.1	1.5
GOVERNMENT	18.6	19.4	18.8	- 4.2	- 1.4
Local government (includes education)	15.5	16.3	15.7	- 4.6	- 1.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$405.34	$394.06	$394.30	39.7	38.9	40.4	$10.21	$10.13	$ 9.76
Durable Goods[d]	413.57	400.28	403.19	39.5	38.6	40.4	10.47	10.37	9.98
Stone, clay, and glass products	267.44	265.16	273.49	39.1	39.4	42.6	6.84	6.73	6.42
Primary metal industries	468.92	439.70	475.99	38.0	36.1	40.1	12.34	12.18	11.87
Fabricated metal products	431.20	426.89	407.22	40.0	39.6	40.6	10.78	10.78	10.03
Fabricated structural metal products	388.44	389.05	355.04	39.0	39.1	40.3	9.96	9.95	8.81
Metal forgings and stampings	530.02	522.86	490.59	41.8	41.3	41.4	12.68	12.66	11.85
Nondurable Goods[e]	375.14	369.20	354.71	40.6	40.0	40.4	9.24	9.23	8.78
Food and kindred products	417.88	411.34	382.79	38.8	38.3	39.1	10.77	10.74	9.79
Rubber and misc. plastics products	397.09	398.41	396.95	45.8	45.9	47.2	8.67	8.68	8.41
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	539.12	516.96	480.63	36.7	35.9	37.0	14.69	14.40	12.99
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	422.69	420.21	392.35	40.8	40.6	41.3	10.36	10.35	9.50
WHOLESALE TRADE	278.63	286.52	278.24	37.3	37.8	39.3	7.47	7.58	7.08
RETAIL TRADE[f]	150.45	148.12	143.96	29.5	29.1	29.5	5.10	5.09	4.88
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	592.2	589.4	600.5	.5	- 1.4
MANUFACTURING	151.8	151.0	160.1	.6	- 5.2
Durable Goods[e]	84.3	83.7	89.7	.8	- 6.0
Furniture and fixtures	2.2	2.2	2.5	3.3	- 11.9
Primary metal industries	2.3	2.3	2.6	- .3	- 10.4
Fabricated metal products	12.7	12.7	14.7	.5	- 13.1
Fabricated structural metal products	4.2	4.1	4.8	1.2	- 12.4
Machinery, except electrical	23.9	23.9	25.9	- .3	- 7.7
Metalworking machinery	12.2	12.4	13.6	- 1.0	- 9.9
General industrial machinery	3.4	3.4	3.8	1.1	- 11.1
Electric and electronic equipment	8.2	8.2	8.7	- .2	- 5.8
Transportation equipment	23.7	23.6	24.7	.7	- 3.8
Motor vehicles and equipment	9.1	9.0	8.6	1.3	6.1
Nondurable Goods[f]	67.5	67.3	70.4	.3	- 4.1
Food and kindred products	16.2	15.9	16.9	1.6	- 4.6
Meat products	2.4	2.3	2.6	2.5	- 9.5
Bakery products	2.4	2.4	2.4	1.3	- .9
Beverages	4.7	4.5	5.0	3.7	- 6.5
Apparel and other textile products	3.9	3.9	3.8	.2	2.0
Paper and allied products	6.1	6.1	6.4	- .2	- 4.5
Printing and publishing	11.5	11.6	12.0	- .7	- 3.8
Chemicals and allied products	22.2	22.2	22.4	.0	- .9
Rubber and misc. plastics products	3.9	3.9	4.5	.5	- 12.4
NONMANUFACTURING[g]	440.4	438.5	440.5	.4	.0
CONSTRUCTION	21.9	21.3	23.0	3.0	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	33.0	32.8	33.5	.6	- 1.5
Communication, electric, gas services	14.4	14.3	14.3	.9	.5
WHOLESALE TRADE	37.7	37.7	38.0	.2	- .7
RETAIL TRADE	100.8	100.8	101.6	.0	- .8
FINANCE, INSURANCE, AND REAL ESTATE	32.3	32.1	32.7	.6	- 1.2
Banking	7.4	7.4	7.5	.6	- .7
Insurance carriers	11.3	11.2	11.3	.4	- .5
SERVICES	130.9	128.7	127.7	1.7	2.6
GOVERNMENT	83.4	84.7	83.8	- 1.6	- .4
Federal government	13.1	13.3	13.2	- 1.0	- .3
State government (includes education)	17.9	18.6	18.3	- 4.2	- 2.3
Local government	52.4	52.8	52.3	- .8	.1
Local government, except education	22.8	22.2	22.8	2.6	- .1
Local government education	29.6	30.6	29.5	- 3.3	.3

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$392.90	$386.92	$358.90	40.8	40.6	41.3	$ 9.63	$ 9.53	$ 8.69
Durable Goods[d]	388.01	378.39	346.04	40.8	40.6	41.0	9.51	9.32	8.44
Furniture and fixtures	254.50	255.94	245.72	35.2	35.4	37.4	7.23	7.23	6.57
Primary metal industries	356.31	348.12	360.62	37.0	36.0	38.0	9.63	9.67	9.49
Fabricated metal products	361.82	365.65	338.25	40.7	40.9	41.3	8.89	8.94	8.19
Fabricated structural metal products .	327.22	321.14	296.95	40.1	39.5	41.3	8.16	8.13	7.19
Machinery, except electrical	330.62	340.02	328.86	38.4	39.4	40.7	8.61	8.63	8.08
Metalworking machinery	351.13	361.34	360.45	37.0	38.4	41.1	9.49	9.41	8.77
General industrial machinery	355.47	352.56	323.08	41.0	40.9	41.0	8.67	8.62	7.88
Electric and electronic equipment	288.56	291.95	266.53	39.1	39.4	39.9	7.38	7.41	6.68
Transportation equipment	574.40	517.75	457.87	44.7	42.3	42.2	12.85	12.24	10.85
Motor vehicles and equipment	701.30	601.37	537.90	48.1	43.8	44.9	14.58	13.73	11.98
Nondurable Goods[e]	398.21	396.26	373.57	40.8	40.6	41.6	9.76	9.76	8.98
Food and kindred products	456.20	457.45	420.09	41.7	41.7	41.8	10.94	10.97	10.05
Meat products	456.96	470.98	450.29	42.0	42.7	42.4	10.88	11.03	10.62
Bakery products	388.52	386.98	392.06	41.2	41.3	44.3	9.43	9.37	8.85
Beverages	405.22	403.79	361.94	40.2	40.5	39.6	10.08	9.97	9.14
Apparel and other textile products	237.41	232.32	222.83	39.9	38.4	39.3	5.95	6.05	5.67
Paper and allied products	345.70	348.14	308.15	41.6	41.2	40.6	8.31	8.45	7.59
Printing and publishing	370.50	374.36	352.28	38.0	38.2	38.5	9.75	9.80	9.15
Chemicals and allied products	443.81	434.93	429.02	41.4	40.8	43.6	10.72	10.66	9.84
Rubber and misc. plastics products	315.18	323.05	329.62	41.2	41.9	43.6	7.65	7.71	7.56
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	501.81	541.88	514.17	34.3	37.5	38.2	14.63	14.45	13.46
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	401.65	392.03	372.13	39.3	38.7	39.8	10.22	10.13	9.35
WHOLESALE TRADE	317.17	311.24	300.56	39.4	39.1	39.6	8.05	7.96	7.59
RETAIL TRADE[f]	156.22	151.63	152.89	30.1	29.5	30.7	5.19	5.14	4.98
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	198.90	198.89	190.12	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [r] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	870.0	866:1	893.2	.4	- 2.6
MANUFACTURING	232.8	232.6	251.3	.1	- 7.4
Durable Goods[e]	165.6	165.9	183.4	- .2	- 9.7
Furniture and fixtures	2.2	2.1	2.3	3.0	- 4.1
Primary metal industries	26.8	26.7	30.2	.5	- 11.1
Blast furnace and basic steel products	13.8	13.9	15.9	- .1	- 12.8
Iron and steel foundries	6.8	6.3	7.2	8.5	- 5.3
Nonferrous foundries	2.7	3.0	2.9	- 11.2	- 6.6
Fabricated metal products	36.5	36.7	40.1	- .5	- 9.0
Fabricated structural metal products	4.2	4.2	4.7	.3	- 11.1
Screw machine products, bolts, etc.	5.6	5.6	5.9	- .5	- 5.8
Metal forgings and stampings	13.0	13.1	14.1	- .8	- 8.0
Machinery, except electrical	39.7	40.0	46.2	- .7	- 14.1
Construction and related machinery	6.1	6.2	8.1	- 1.9	- 24.7
Metalworking machinery	14.0	14.1	16.7	- .8	- 15.7
Special industry machinery	4.3	4.3	4.6	.1	- 7.0
General industrial machinery	3.3	3.3	3.8	- 1.3	- 14.8
Electric and electronic equipment	24.4	24.5	24.6	- .6	- 1.1
Electrical industrial apparatus	8.3	8.3	9.1	.0	- 8.3
Transportation equipment	20.9	20.8	24.2	.7	- 13.4
Motor vehicles and equipment	13.9	13.9	16.7	.3	- 16.7
Instruments and related products	6.4	6.5	6.7	- .4	- 3.7
Nondurable Goods[f]	67.2	66.6	67.9	.9	- 1.0
Food and kindred products	8.2	8.1	8.5	1.5	- 3.7
Bakery products	1.8	1.8	1.9	1.5	- 1.9
Beverages	1.6	1.5	1.7	4.1	- 3.4
Apparel and other textile products	5.3	5.3	5.6	- 1.0	- 5.3
Paper and allied products	5.0	5.0	5.1	.0	- 2.5
Printing and publishing	15.6	15.5	15.2	.8	2.4
Chemicals and allied products	15.8	15.6	16.3	1.1	- 3.0
Industrial inorganic chemicals	4.1	4.1	4.2	- .1	- 4.5
Rubber and misc. plastics products	10.9	10.7	10.9	1.2	- .5
NONMANUFACTURING[g]	637.1	633.5	641.9	.6	- .7
CONSTRUCTION	27.5	25.8	28.7	6.4	- 4.3
TRANSPORTATION AND PUBLIC UTILITIES	44.8	44.6	45.8	.5	- 2.2
Communication, electric, gas services	20.0	20.0	19.8	.4	1.1
WHOLESALE TRADE	61.5	61.1	62.9	.6	- 2.3
RETAIL TRADE	135.9	135.5	138.2	.3	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	48.2	47.7	48.2	1.0	.1
Banking	13.5	13.4	13.9	.6	- 3.0
Insurance carriers	11.9	11.8	11.8	.4	.6
SERVICES	198.4	197.8	194.3	.3	2.1
GOVERNMENT	119.5	119.6	122.5	- .1	- 2.4
Federal government	19.3	19.2	19.9	.5	- 3.3
State government (includes education)	7.7	7.5	8.1	3.6	- 4.9
Local government	92.5	93.0	94.4	- .5	- 2.0
Local government, except education	47.0	45.9	46.4	2.4	1.3
Local government education	45.6	47.1	48.1	- 3.2	- 5.2

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$420.86	$409.86	$411.18	41.1	40.5	42.0	$10.24	$10.12	$ 9.79
Durable Goods[d]	444.64	430.20	434.95	41.4	40.7	42.6	10.74	10.57	10.21
Furniture and fixtures	278.14	300.05	308.62	38.9	39.9	43.9	7.15	7.52	7.03
Primary metal industries	516.66	497.27	520.23	41.3	40.2	44.2	12.51	12.37	11.77
Blast furnace and basic steel products	521.90	481.82	563.33	39.3	36.2	43.5	13.28	13.31	12.95
Iron and steel foundries	632.80	657.07	603.88	45.2	46.7	47.4	14.00	14.07	12.74
Nonferrous foundries	341.82	334.14	312.02	39.7	40.6	39.1	8.61	8.23	7.98
Fabricated metal products	443.46	426.18	410.44	41.6	40.9	41.5	10.66	10.42	9.89
Fabricated structural metal products	346.86	330.91	319.60	41.0	39.3	40.1	8.46	8.42	7.97
Screw machine products, bolts, etc.	349.44	344.32	359.51	38.4	38.3	40.9	9.10	8.99	8.79
Metal forgings and stampings	579.76	542.20	518.96	44.7	43.1	43.5	12.97	12.58	11.93
Machinery, except electrical	414.06	397.15	422.35	40.2	39.4	41.9	10.30	10.08	10.08
Construction and related machinery	446.23	439.09	441.17	39.7	39.1	40.4	11.24	11.23	10.92
Metalworking machinery	365.90	377.86	412.13	37.8	38.4	42.4	9.68	9.84	9.72
Special industry machinery	423.74	409.85	383.17	41.1	40.3	37.9	10.31	10.17	10.11
General industrial machinery	396.61	405.41	387.58	39.9	40.1	41.9	9.94	10.11	9.25
Electric and electronic equipment	338.61	340.17	365.94	39.1	39.1	42.9	8.66	8.70	8.53
Electrical industrial apparatus	320.16	332.22	404.43	34.8	35.8	44.2	9.20	9.28	9.15
Transportation equipment	588.69	567.16	525.84	46.5	45.3	44.3	12.66	12.52	11.87
Motor vehicles and equipment	640.58	609.70	559.12	48.2	46.4	45.2	13.29	13.14	12.37
Instruments and related products	314.01	310.87	293.30	39.9	39.5	40.4	7.87	7.87	7.26
Nondurable Goods[e]	351.75	350.40	332.80	40.2	40.0	40.0	8.75	8.76	8.32
Food and kindred products	376.19	372.24	342.79	42.7	42.3	41.5	8.81	8.80	8.26
Bakery products	397.10	395.54	327.86	42.2	42.9	38.8	9.41	9.22	8.45
Beverages	325.21	306.88	307.97	40.6	39.7	40.1	8.01	7.73	7.68
Apparel and other textile products	249.08	245.06	235.38	37.4	37.3	37.6	6.66	6.57	6.26
Paper and allied products	367.00	352.41	321.97	41.8	40.6	39.7	8.78	8.68	8.11
Printing and publishing	373.61	374.45	355.88	37.7	37.9	37.9	9.91	9.88	9.39
Chemicals and allied products	417.96	420.43	398.11	41.3	41.3	41.6	10.12	10.18	9.57
Industrial inorganic chemicals	412.90	419.45	412.27	40.6	40.1	40.3	10.17	10.46	10.23
Rubber and misc. plastics products	316.26	308.86	300.04	42.0	40.8	42.2	7.53	7.57	7.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	623.94	605.46	585.22	37.7	37.7	38.2	16.55	16.06	15.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	....	....
Communication, electric, gas services	446.52	440.30	419.20	40.3	40.1	41.3	11.08	10.98	10.15
WHOLESALE TRADE	329.41	326.24	312.02	38.8	38.7	39.1	8.49	8.43	7.98
RETAIL TRADE[f]	164.15	161.58	158.37	28.9	28.1	28.9	5.68	5.75	5.48
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	226.67	226.32	207.99	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	508.4	506.3	512.7	.4	- .8
MANUFACTURING	88.3	87.8	94.4	.6	- 6.5
Durable Goods[e]	55.4	54.8	60.3	1.1	- 8.2
Stone, clay, and glass products	9.0	8.4	10.1	7.5	- 10.8
Fabricated metal products	9.2	9.1	11.9	.9	- 22.2
Machinery, except electrical	10.9	10.9	11.9	- .4	- 8.4
Electric and electronic equipment	11.6	11.5	11.9	1.3	- 2.2
Transportation equipment	6.3	6.4	5.8	- 2.7	7.1
Nondurable Goods[f]	32.9	33.0	34.1	- .3	- 3.4
Food and kindred products	10.8	10.7	10.6	1.3	1.5
Printing and publishing	8.4	8.5	8.5	- 1.4	- 1.9
Chemicals and allied products	6.1	6.0	6.2	1.2	- 2.9
Rubber and misc. plastics products	2.7	2.8	3.3	- 5.1	- 19.9
NONMANUFACTURING[g]	420.1	418.5	418.3	.4	.5
CONSTRUCTION	16.4[h]	17.1	18.8	- 4.2	- 12.6
TRANSPORTATION AND PUBLIC UTILITIES	23.8	23.8	24.3	.1	- 1.9
Communication, electric, gas services	11.4	11.4	11.5	.0	- .7
WHOLESALE TRADE	27.7	27.6	27.4	.5	1.3
RETAIL TRADE	93.6	93.5	92.1	.2	1.6
FINANCE, INSURANCE, AND REAL ESTATE	41.3	40.7	39.5	1.5	4.5
Banking	8.1	8.1	7.9	- .1	3.0
Insurance carriers	17.9	17.7	17.2	1.3	4.6
SERVICES	114.1	112.2	110.2	1.7	3.5
GOVERNMENT	102.3	102.8	105.2	- .5	- 2.8
Federal government	11.5	11.5	11.7	.6	- 1.5
State government	48.3	48.7	49.5	- .9	- 2.6
State government, except education	28.9	28.8	29.1	.5	- .5
State government education[i]	19.3	19.9	20.4	- 2.9	- 5.6
Local government	42.5	42.6	44.0	- .3	- 3.4
Local government, except education	17.5	17.1	18.4	2.0	- 5.2
Local government education	25.0	25.5	25.6	- 1.8	- 2.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$373.86	$368.02	$345.14	40.2	39.7	39.9	$ 9.30	$ 9.27	$ 8.65
Durable Goods[d]	384.46	376.44	358.60	40.3	39.5	39.8	9.54	9.53	9.01
Stone, clay, and glass products	353.73	344.16	330.66	39.7	38.8	39.6	8.91	8.87	8.35
Fabricated metal products	447.20	424.60	431.64	40.0	38.6	39.6	11.18	11.00	10.90
Machinery, except electrical	379.13	377.87	356.57	41.8	41.8	41.9	9.07	9.04	8.51
Electric and electronic equipment	370.64	373.33	335.79	40.2	40.1	39.0	9.22	9.31	8.61
Transportation equipment	478.22	444.51	370.60	43.2	40.3	39.3	11.07	11.03	9.43
Nondurable Goods[e]	352.80	352.08	316.79	40.0	40.1	40.1	8.82	8.78	7.90
Food and kindred products	373.68	352.77	317.34	43.3	41.6	41.0	8.63	8.48	7.74
Printing and publishing	397.74	400.52	339.41	37.7	38.0	36.3	10.55	10.54	9.35
Chemicals and allied products	396.33	402.90	356.51	41.5	42.1	41.6	9.55	9.57	8.57
Rubber and misc. plastics products	288.56	307.23	291.51	36.9	39.9	41.0	7.82	7.70	7.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	486.40	506.68	459.87	38.0	39.4	38.1	12.80	12.86	12.07
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	430.40	422.14	406.64	40.0	39.6	41.2	10.76	10.66	9.87
WHOLESALE TRADE	291.46	294.14	284.20	38.0	38.5	39.2	7.67	7.64	7.25
RETAIL TRADE[f]	149.91	148.40	141.62	28.5	28.0	29.2	5.26	5.30	4.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	221.81	219.71	178.00	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	348.2	346.6	355.2	.5	- 2.0
MANUFACTURING	90.7	90.2	98.4	.6	- 7.8
Durable Goods[e]	63.2	62.5	67.3	1.1	- 6.1
Stone, clay, and glass products	2.1	2.1	2.4	1.3	- 12.7
Fabricated metal products	6.8	6.8	7.2	.5	- 5.1
Machinery, except electrical	29.9	29.4	31.7	1.4	- 5.9
Metalworking machinery	6.4	6.4	7.3	- .6	- 13.4
Electric and electronic equipment	5.0	5.0	5.5	- 1.1	- 10.2
Electrical industrial apparatus	2.9	2.9	3.4	.5	- 14.4
Transportation equipment	13.5	13.3	13.8	1.8	- 1.8
Nondurable Goods[f]	27.5	27.7	31.1	- .6	- 11.5
Food and kindred products	3.1	3.1	3.0	.0	2.2
Paper and allied products	5.3	5.3	6.0	.7	- 11.6
Printing and publishing	7.4	7.9	9.2	- 6.3	- 19.3
Rubber and misc. plastics products	7.9	7.6	9.1	3.6	- 13.4
NONMANUFACTURING[g]	257.5	256.5	256.9	.4	.2
CONSTRUCTION	11.2	10.7	12.0	4.4	- 7.3
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.1	13.4	1.2	- 1.0
Communication, electric, gas services	6.5	6.4	6.7	.7	- 3.3
WHOLESALE TRADE	16.6	16.5	16.6	.8	.1
RETAIL TRADE	56.1	56.2	56.6	- .1	- .9
FINANCE, INSURANCE, AND REAL ESTATE	14.0	13.9	13.6	1.0	3.6
SERVICES	76.8	76.1	74.8	1.0	2.8
GOVERNMENT	69.0	69.5	69.4	- .8	- .6
Federal government	25.9	25.7	26.0	.9	- .5
State government (includes education)	6.4	6.4	5.9	.0	9.6
Local government	36.7	37.4	37.5	- 2.0	- 2.2
Local government, except education	12.9	12.4	14.3	4.1	- 9.4
Local government education	23.7	25.0	23.2	- 5.1	2.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$429.30	$402.40	$410.98	41.2	40.0	42.5	$10.42	$10.06	$ 9.67
Durable Goods[d]	429.94	401.00	411.70	41.5	40.1	43.2	10.36	10.00	9.53
Stone, clay, and glass products	398.69	363.08	341.11	40.6	41.4	40.9	9.82	8.77	8.34
Fabricated metal products	318.24	327.20	316.92	39.0	40.0	42.2	8.16	8.18	7.51
Machinery, except electrical	451.34	419.42	424.13	42.3	40.8	43.5	10.67	10.28	9.75
Metalworking machinery	391.64	393.02	394.70	39.6	39.9	41.9	9.89	9.85	9.42
Electric and electronic equipment	302.94	296.86	310.68	40.5	39.9	42.5	7.48	7.44	7.31
Electrical industrial apparatus	319.20	314.79	340.33	39.9	39.3	43.8	8.00	8.01	7.77
Transportation equipment	546.07	497.84	546.31	42.2	39.7	44.2	12.94	12.54	12.36
Nondurable Goods[e]	425.82	406.76	410.59	40.4	39.8	41.1	10.54	10.22	9.99
Food and kindred products	380.85	380.85	358.36	38.2	38.2	38.7	9.97	9.97	9.26
Paper and allied products	330.26	334.15	364.71	39.6	40.9	44.1	8.34	8.17	8.27
Printing and publishing	382.02	384.56	433.65	37.6	37.3	41.3	10.16	10.31	10.50
Rubber and misc. plastics products	575.52	524.06	495.73	43.6	41.2	40.6	13.20	12.72	12.21
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	489.47	524.77	469.10	36.5	38.7	37.8	13.41	13.56	12.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	415.26	412.63	394.23	39.7	39.6	40.6	10.46	10.42	9.71
WHOLESALE TRADE	307.13	289.92	282.88	41.9	40.1	41.6	7.33	7.23	6.80
RETAIL TRADE[f]	149.72	148.19	147.80	29.3	29.0	29.5	5.11	5.11	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	288.2	288.6	298.1	- .1	- 3.3
MANUFACTURING	69.1	69.0	76.1	.1	- 9.2
Durable Goods[e]	53.5	53.6	59.0	- .2	- 9.3
Stone, clay, and glass products	12.2	12.2	13.2	- .3	- 7.7
Primary metal industries	4.1	4.0	4.5	3.9	- 8.7
Fabricated metal products	6.9	7.0	8.1	- 2.3	- 15.1
Metal forgings and stampings	3.1	3.3	4.0	- 5.7	- 22.1
Machinery, except electrical	6.1	6.1	7.0	- .8	- 13.3
General industrial machinery	1.9	1.9	2.1	.9	- 8.6
Transportation equipment	16.7	16.7	17.5	.3	- 4.5
Motor vehicles and equipment	15.3	15.3	16.4	.3	- 6.5
Nondurable Goods[f]	15.6	15.4	17.1	1.1	- 9.0
Food and kindred products	4.1	4.1	4.3	- .6	- 4.3
Petroleum and coal products	1.7	1.7	2.0	.1	- 15.9
Rubber and misc. plastics products	2.9	2.9	3.4	.3	- 13.6
NONMANUFACTURING[g]	219.1	219.6	222.0	- .2	- 1.3
CONSTRUCTION	10.6[h]	10.9	12.0	- 2.4	- 11.8
TRANSPORTATION AND PUBLIC UTILITIES	19.1	19.1	19.4	.2	- 1.5
Communication, electric, gas services	7.8	7.7	7.7	.5	1.6
WHOLESALE TRADE	14.5	14.5	14.8	.1	- 2.3
RETAIL TRADE	51.5	51.1	52.3	.7	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.7	10.7	.9	1.1
SERVICES	66.6	66.4	64.3	.4	3.7
GOVERNMENT	45.4	46.4	48.0	- 2.1	- 5.4
State government (includes education)	14.8	14.6	15.2	1.2	- 2.7
Local government	27.8	29.0	30.0	- 3.9	- 7.3
Local government, except education	11.0	11.0	12.1	.3	- 8.5
Local government education	16.8	18.0	18.0	- 6.5	- 6.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$457.87	$447.31	$411.76	41.7	41.0	41.3	$10.98	$10.91	$ 9.97
Durable Goods[d]	475.27	464.84	421.89	41.8	41.1	41.2	11.37	11.31	10.24
Stone, clay, and glass products	466.77	466.62	419.05	41.9	41.7	42.2	11.14	11.19	9.93
Primary metal industries	415.10	418.89	395.51	42.4	42.7	42.3	9.79	9.81	9.35
Fabricated metal products	461.98	439.02	378.80	42.5	40.5	40.6	10.87	10.84	9.33
Metal forgings and stampings	543.26	519.40	445.67	43.6	42.4	41.0	12.46	12.25	10.87
Machinery, except electrical	418.00	417.35	409.00	40.0	39.9	40.9	10.45	10.46	10.00
General industrial machinery	450.06	451.63	489.77	39.0	38.9	43.0	11.54	11.61	11.39
Transportation equipment	558.09	538.26	510.76	42.7	41.5	41.9	13.07	12.97	12.19
Motor vehicles and equipment	559.80	539.92	510.41	42.7	41.5	41.7	13.11	13.01	12.24
Nondurable Goods[e]	395.24	383.54	371.90	41.3	40.5	41.6	9.57	9.47	8.94
Food and kindred products	412.85	404.34	373.18	42.3	41.9	42.6	9.76	9.65	8.76
Petroleum and coal products	624.79	625.90	572.46	43.6	43.8	43.9	14.33	14.29	13.04
Rubber and misc. plastics products	331.30	323.08	326.75	40.7	39.4	41.1	8.14	8.20	7.95
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	634.00	629.61	549.43	39.6	39.4	37.3	16.01	15.98	14.73
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.13	442.18	403.10	40.1	39.8	40.8	11.25	11.11	9.88
WHOLESALE TRADE	325.08	334.70	304.10	38.2	39.1	38.3	8.51	8.56	7.94
RETAIL TRADE[f]	158.81	157.18	157.34	29.3	29.0	29.8	5.42	5.42	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JUNE 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1982[b]	May 1982[c]	June 1981[c]	May 1982	June 1981
TOTAL	191.7	190.4	204.4	.7	-6.2
MANUFACTURING	58.0	57.8	69.9	.3	-17.1
Durable Goods[e]	52.3	52.2	64.2	.2	-18.6
Stone, clay, and glass products	1.8	1.8	1.9	-.3	-2.2
Primary metal industries	24.8	24.7	30.0	.4	-17.3
Blast furnace and basic steel products	11.9	12.1	15.5	-1.7	-23.3
Fabricated metal products	8.6	8.7	9.5	-.5	-9.6
Fabricated structural metal products	2.8	2.7	2.7	.5	2.4
Machinery, except electrical	5.1	5.1	5.5	-.8	-8.2
Metalworking machinery	2.4	2.5	2.5	-2.2	-5.3
Electric and electronic equipment	3.0	3.0	3.0	.1	-2.1
Transportation equipment	7.3	7.2	12.4	1.3	-40.9
Nondurable Goods[f]	5.6	5.6	5.7	1.5	-1.2
NONMANUFACTURING[g]	133.7	132.6	134.4	.9	-.5
CONSTRUCTION	6.2	5.8	6.7	6.7	-8.3
TRANSPORTATION AND PUBLIC UTILITIES	9.1	9.0	9.4	.8	-3.3
Communication, electric, gas services	3.3	3.3	3.3	.5	-.1
WHOLESALE TRADE	7.9	7.7	8.0	1.9	-1.4
RETAIL TRADE	36.2	36.0	36.6	.4	-1.1
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.2	7.2	1.6	2.6
SERVICES	40.2	39.8	39.6	1.0	1.5
GOVERNMENT	26.0	26.2	26.2	-.7	-.6
Local government (includes education)	20.3	20.5	20.6	-1.0	-1.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JUNE 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]	June 1982[b]	May 1982[c]	June 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$467.60	$459.81	$484.38	40.0	39.3	41.4	$11.69	$11.70	$11.70
Durable Goods[d]	480.40	471.99	498.04	40.0	39.3	41.4	12.01	12.01	12.03
Stone, clay, and glass products	310.42	315.09	289.43	37.4	37.6	35.6	8.30	8.38	8.13
Primary metal industries	504.27	480.42	510.79	39.0	37.3	40.7	12.93	12.88	12.55
Blast furnace and basic steel products	505.78	490.54	539.50	38.0	36.8	41.5	13.31	13.33	13.00
Fabricated metal products	455.91	452.02	535.92	38.9	38.7	44.0	11.72	11.68	12.18
Fabricated structural metal products	350.34	342.81	385.93	36.8	36.2	39.3	9.52	9.47	9.82
Machinery, except electrical	435.10	431.68	409.46	38.2	37.9	37.6	11.39	11.39	10.89
Metalworking machinery	449.80	442.65	427.19	39.7	39.0	38.8	11.33	11.35	11.01
Electric and electronic equipment	373.77	364.18	327.53	41.3	40.6	39.7	9.05	8.97	8.25
Transportation equipment	576.25	599.98	564.08	46.1	46.8	44.0	12.50	12.82	12.82
Nondurable Goods[e]	328.20	333.83	315.18	39.4	39.6	41.2	8.33	8.43	7.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	559.36	495.94	526.88	38.0	35.5	37.5	14.72	13.97	14.05
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	405.96	403.52	406.00	39.8	39.6	43.1	10.20	10.19	9.42
WHOLESALE TRADE	333.83	330.91	331.71	39.6	39.3	40.7	8.43	8.42	8.15
RETAIL TRADE[f]	157.18	156.51	154.50	29.6	29.2	30.0	5.31	5.36	5.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICE
JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

S 6270-1
8/23/82

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JULY 1982

Jobless Ohioans numbered 644,000 in July, representing 12.2 percent of the civilian labor force--little changed from June. Total employment gained .2 percent, to 4,617,000. Cutbacks in education, combined with layoffs in manufacturing, lowered payroll employment 1.2 percent, to 4,203,000.

Employment in Ohio's factories declined .9 percent, to 1,123,000. Layoffs due to fewer orders lowered employment in primary metals, rubber products, and metalworking machinery. Employment also declined among producers of motor vehicles and suppliers of stamped-metal parts, due to slumping sales and model changeovers.

Ohio's nonmanufacturing employment dropped 1.4 percent, to 3,080,000 in July. The decrease occurred in government and private educational services, as schools and colleges furloughed nonteaching personnel. Declines in retailing--particularly among eating and drinking places--were also largely seasonal. Cutbacks were tempered, however, by moderate gains in construction, and finance, insurance, and real estate.

Gross average weekly earnings of Ohio's factory production workers slipped $5 from June's record level, to $409 in July. Their average workweek declined one-half hour, to 40.2 hours. Overtime was curtailed in the manufacture of automobiles and metal stampings, and in nonferrous rolling and drawing mills. Hours and earnings in the newspaper and beverage industries declined similarly. Steelmakers reported shorter workweeks. Producers of paper and fabricated structural metals scheduled additional overtime, however, while wage-rate increases boosted earnings for workers converting paper products.

Between July 1981 and July 1982, unemployment in Ohio increased by nearly 150,000, boosting the unemployment rate from 9.5 to 12.2 percent. Total employment declined 2.3 percent, due to cutbacks in nonfarm payroll jobs--down 2.8 percent. Losses were concentrated in the manufacture of durable goods, notably nonelectrical machinery and primary and fabricated metals. In nonmanufacturing, shrinkage in construction, retailing, and government was offset by long-term growth in services. In July 1982, factory production workers grossed $21 more per week than one year earlier, although their workweek averaged .4 hours shorter.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment slipped 500 from June, to 251,600 in July. The decrease occurred in manufacturing--down 700, to 70,100--due to cutbacks in orders in metal stampings. Nonmanufacturing advanced seasonally, despite curtailments in education. The workweek and hourly earnings of the average manufacturing production worker, at 41.3 hours and $9.71 an hour, were down .2 hours and 10¢, respectively, from June.

Canton.--Nonfarm employment in the Canton area totaled 155,100 in July, down 800 from June. Manufacturing decreased 500, to 51,700, with losses concentrated in primary metals. Summer furloughs in education lowered nonmanufacturing, despite seasonal growth in construction. Earnings of factory production workers declined 4¢, to $10.20 an hour. Average weekly hours, at 39.2, were down .2 hours from the previous month.

Cincinnati.--Nonfarm establishments in Cincinnati employed 582,300 in July, 10,200 below June. Nonmanufacturing accounted for most of the decrease, with seasonal losses in most component industries, chiefly government. Widespread layoffs--notably in metalworking machinery--lowered manufacturing by 1,900, to 149,900 for the month. The average workweek for factory production workers, at 40.6 hours, was .4 hours shorter than in June. Their average hourly earnings slipped slightly to $9.61 for the month.

Cleveland.--Cleveland's nonagricultural wage and salary employment totaled 863,000 in July, down 7,100 from June. Nearly two-thirds of the loss occurred in nonmanufacturing, as employment in government, retail trade, and services declined seasonally--partially offset by an increase in construction. Layoffs among producers of durable goods, and in the printing and publishing industry, lowered manufacturing by 2,600, to 230,200 in July. Production workers in manufacturing industries grossed $10.19 per hour in July, down 6¢ from June. Their average workweek, at 40.3 hours, was .7 hours shorter.

Columbus.--Nonfarm payroll employment in Columbus decreased 6,700 from June, to 502,500 in July. Seasonal losses in nonmanufacturing--notably in education and retail trade--accounted for the overall loss. Manufacturing, however, rose slightly, to 88,500 in July. The average workweek of factory production workers decreased .4 hours, to 39.7 hours for the month. Hourly earnings rose to $9.34, up 3¢ from June.

Dayton.--Nonagricultural establishments in Dayton employed 343,100 wage and salary workers in July, down 4,800 from June. Furloughs of school employees and decreases in retail trade lowered nonmanufacturing for the month. Manufacturing, at 90,800, rose fractionally from last month. The average factory production worker grossed $10.33 per hour for a workweek of 41.1 hours--down 9¢ and .1 hours from June averages.

Toledo.--July nonfarm payroll employment in Toledo totaled 281,100, representing a drop of 7,100 from June. Manufacturing decreased 900, to 68,300 for the month. Seasonal cutbacks in education accounted for the bulk of the loss in nonmanufacturing employment. The average factory production workweek, at 41.8 hours, was on par with June, while average hourly earnings, at $11.02, were up 4¢ from the previous month.

Youngstown-Warren.--Workers on nonfarm payrolls in the Youngstown-Warren area numbered 188,200 in July, down 3,200 from June. Seasonal cutbacks in education lowered nonmanufacturing. Manufacturing, at 56,800, slipped 800 from June, with layoffs due chiefly to cutbacks in orders for basic steel. Production workers in factories grossed $11.81 per hour, up 10¢ from June. Their average workweek slipped .6 hours, to 39.5 for the month.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 8-18-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	305.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
July	257.1	158.4	590.5	887.2	504.0	349.4	289.2	200.9
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.6	155.1	582.3	863.0	502.5	343.1	281.1	188.2
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
July	75.8	56.1	158.4	250.0	93.0	97.9	74.3	69.0
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	70.1	51.7	149.9	230.2	88.5	90.8	68.3	56.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	89.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
July	43.5	40.8	103.6	164.4	61.4	64.3	48.8	52.2
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.6	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.7	36.4	97.3	145.8	57.0	58.5	44.3	41.1
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
July	41.9	39.8	40.9	40.6	39.5	41.6	40.4	40.4
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.3	39.2	40.6	40.3	39.7	41.1	41.8	39.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown–Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
July	9.57	9.73	8.73	9.65	8.59	9.63	9.91	11.65
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.71	10.20	9.61	10.19	9.34	10.33	11.02	11.81
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
July	400.98	387.25	357.06	391.79	339.31	400.61	400.36	470.66
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	401.02	399.84	390.17	410.66	370.80	424.56	460.64	466.50

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown–Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
June	302.9	277.0	25.9	8.6	June	190.1	173.8	16.3	8.6
July	308.2	278.7	29.4	9.6	July	193.8	175.5	18.3	9.5
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September	302.6	273.1	29.5	9.7	September	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October	187.0	169.5	17.5	9.4
November	304.6	272.2	32.4	10.6	November	188.8	168.9	19.9	10.5
December	302.7	269.0	33.7	11.1	December	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January	187.7	164.1	23.6	12.6
February	295.5	260.4	35.1	11.9	February	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June[p]	307.9	272.4	35.6	11.5	June[p]	195.8	170.1	25.7	13.1
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	600.6	562.6	38.0	6.3	1976	897.7	834.4	63.3	7.0
1977	618.8	584.4	34.4	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
June	684.9	629.9	55.0	8.0	June	942.1	869.6	72.6	7.7
July	691.1	628.1	63.0	9.1	July	960.4	877.8	82.6	8.6
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September	680.1	616.3	63.8	9.4	September	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October	923.6	843.7	79.9	8.7
November	684.3	617.1	67.2	9.8	November	931.4	844.3	87.1	9.4
December	679.4	611.6	67.8	10.0	December	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January	905.6	821.3	84.4	9.3
February	657.0	585.6	71.4	10.9	February	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June[p]	696.5	622.7	73.8	10.6	June[p]	952.7	849.5	103.2	10.8

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census (only 1978 - 1982 data in Cincinnati area). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
June	569.3	528.1	41.2	7.2	June	393.2	363.4	29.8	7.6
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September	561.3	511.9	49.4	8.8	September	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October	389.7	356.4	33.3	8.5
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February	547.5	498.2	49.4	9.0	February	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June[p]	581.3	527.5	53.8	9.3	June[p]	402.5	356.5	46.1	11.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
June	373.9	339.2	34.7	9.3	June	234.5	212.3	22.1	9.4
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September	365.7	324.9	40.8	11.2	September	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October	230.2	204.9	25.3	11.0
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February	355.7	310.0	45.7	12.8	February	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June[p]	374.1	329.7	44.4	11.9	June[p]	244.6	199.9	44.7	18.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,417	4,130	286	6.5	5.9
1972	4,511	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
July	5,221	4,726	495	9.5	7.3
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
July	4,326.0	1,241.7	3,084.4
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,203.1	1,123.1	3,080.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.6	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
July	32.4	166.7	220.3	232.4	717.0	207.0	864.7	644.0
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	33.0	152.6	216.8	230.6	706.6	208.9	896.5	635.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
July	1,241.7	867.2	374.4	854.5	331.7	34.7
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,123.1	769.1	354.0	752.1	307.5	30.2

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9,82	8.80
1981									
July	388.14	400.49	357.62	40.6	40.7	40.5	9.56	9.84	8.83
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	408.83	421.70	377.88	40.2	40.2	40.2	10.17	10.49	9.40

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
July	61.9	139.3	156.2	204.7	103.0	137.8	70.1	66.3	89.3
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.2	115.0	135.8	179.0	95.3	128.8	68.6	62.9	80.1
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
July	349.57	486.38	385.92	388.40	346.73	469.06	360.91	346.94	363.69
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	383.87	486.29	407.38	393.42	365.49	529.91	386.10	350.39	388.14

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	4203.1	4256.2	4326.0	- 1.2	- 2.8
MANUFACTURING	1123.1	1133.5	1241.7	- .9	- 9.6
Durable Goods[e]	769.1	777.0	867.2	- 1.0	- 11.3
Lumber and wood products	13.1	13.2	13.9	- .8	- 5.7
Furniture and fixtures	13.3	13.3	15.1	- .3	- 12.2
Household furniture	6.1	6.3	7.2	- 3.8	- 15.7
Stone, clay, and glass products	55.2	54.9	61.9	.6	- 10.8
Glass and glassware, pressed or blown.	14.1	13.8	14.8	2.2	- 4.6
Structural clay products	4.6	4.5	6.2	1.8	- 25.1
Pottery and related products	5.9	5.9	6.6	1.2	- 10.2
Primary metal industries	115.0	116.4	139.3	- 1.2	- 17.4
Blast furnace and basic steel products	58.2	59.1	73.9	- 1.5	- 21.3
Iron and steel foundries	23.6	24.2	29.0	- 2.2	- 18.5
Nonferrous rolling and drawing	18.3	18.4	19.2	- .1	- 4.6
Nonferrous foundries	8.7	8.5	9.4	2.0	- 7.8
Fabricated metal products	135.8	138.4	156.2	- 1.9	- 13.1
Cutlery, hand tools, and hardware	10.6	11.0	13.3	- 3.7	- 20.2
Plumbing and heating, except electric.	4.6	4.6	5.3	.2	- 13.8
Fabricated structural metal products	33.5	33.5	35.7	.1	- 6.1
Screw machine products, bolts, etc.	9.3	9.4	10.6	- 1.7	- 12.6
Metal forgings and stampings	37.7	38.8	45.3	- 2.9	- 16.8
Machinery, except electrical	179.0	181.2	204.7	- 1.2	- 12.6
Construction and related machinery	21.1	21.6	25.8	- 2.3	- 17.9
Metalworking machinery	46.8	48.0	55.4	- 2.6	- 15.6
Special industry machinery	19.6	19.6	21.4	- .3	- 8.4
General industrial machinery	34.9	35.0	38.7	- .3	- 9.9
Electric and electronic equipment	95.3	96.0	103.0	- .8	- 7.5
Electrical industrial apparatus	20.5	21.0	24.1	- 2.1	- 14.6
Household appliances	16.5	16.5	18.1	.4	- 8.6
Electric lighting and wiring equipment	19.1	19.4	20.0	- 1.6	- 4.3
Communication equipment	12.2	12.1	11.7	1.0	3.9
Transportation equipment	128.8	129.2	137.8	- .3	- 6.5
Motor vehicles and equipment	82.5	83.6	92.5	- 1.3	- 10.8
Aircraft and parts	37.4	37.1	36.1	.9	3.6
Instruments and related products	20.2	20.6	21.6	- 1.6	- 6.4
Measuring and controlling devices	11.8	12.1	13.3	- 2.4	- 11.4
Nondurable Goods[f]	354.0	356.5	374.4	- .7	- 5.5
Food and kindred products	68.6	68.7	70.1	- .1	- 2.1
Meat products	11.3	11.3	11.8	.0	- 4.4
Dairy products	11.4	11.4	12.0	- .1	- 5.3
Bakery products	11.5	11.4	11.7	.9	- 1.9
Beverages	10.5	10.8	10.8	- 2.4	- 2.3
Textile mill products	4.4	4.6	4.7	- 3.0	- 6.2
Apparel and other textile products	16.8	16.8	17.1	.0	- 1.8
Paper and allied products	35.0	35.2	38.0	- .4	- 8.0
Paper mills, except building paper	8.8	8.9	10.1	- 1.2	- 12.6
Misc. converted paper products	11.3	11.3	11.8	- .2	- 4.3
Paperboard containers and boxes	11.6	11.7	12.7	- 1.0	- 9.3
Printing and publishing	62.9	63.6	66.3	- 1.2	- 5.2
Newspapers	18.4	19.4	19.4	- 5.1	- 5.4
Commercial printing	23.0	22.9	25.6	.1	- 10.2
Chemicals and allied products	67.1	67.1	68.7	.0	- 2.3
Industrial inorganic chemicals	12.8	12.9	12.9	- .6	- .9
Plastics materials and synthetics	9.2	9.2	9.8	- .7	- 6.3
Petroleum and coal products	13.6	13.5	14.6	.8	- 6.9
Rubber and misc. plastics products	80.1	81.5	89.3	- 1.7	- 10.2
Tires and inner tubes	21.3	22.1	24.5	- 3.5	- 13.0
Miscellaneous plastics products	39.7	39.8	44.2	- .3	- 10.3
Leather and leather products	5.3	5.4	5.4	- 1.3	- 2.6

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.83	$413.92	$388.14	40.2	40.7	40.6	$10.17	$10.17	$ 9.56
Durable Goods[d]	421.70	426.54	400.49	40.2	40.7	40.7	10.49	10.48	9.84
Lumber and wood products	281.64	286.04	266.93	38.9	39.4	40.2	7.24	7.26	6.64
Furniture and fixtures	289.18	294.03	270.51	38.1	39.1	38.7	7.59	7.52	6.99
Household furniture	255.27	259.78	236.93	38.1	38.6	38.4	6.70	6.73	6.17
Stone, clay, and glass products	383.87	379.86	349.57	41.1	41.2	40.6	9.34	9.22	8.61
Glass and glassware, pressed or blown.	380.44	384.87	356.29	38.9	39.8	39.5	9.78	9.67	9.02
Structural clay products	287.04	289.76	274.46	40.6	41.1	40.6	7.07	7.05	6.76
Pottery and related products	299.41	301.86	270.85	37.9	38.7	36.7	7.90	7.80	7.38
Primary metal industries	486.29	495.67	486.38	39.6	40.2	41.5	12.28	12.33	11.72
Blast furnace and basic steel products	506.15	520.73	529.17	38.2	39.3	41.7	13.25	13.25	12.69
Iron and steel foundries	486.10	479.04	431.17	41.3	40.7	40.6	11.77	11.77	10.62
Nonferrous rolling and drawing	479.02	503.48	468.46	39.2	40.9	39.7	12.22	12.31	11.80
Nonferrous foundries	350.22	355.18	332.44	41.3	41.3	41.4	8.48	8.60	8.03
Fabricated metal products	407.38	408.18	385.92	39.9	39.9	40.2	10.21	10.23	9.60
Cutlery, hand tools, and hardware	397.44	389.64	387.00	38.4	38.2	38.7	10.35	10.20	10.00
Plumbing and heating, except electric.	334.36	335.15	316.68	37.4	37.7	38.2	8.94	8.89	8.29
Fabricated structural metal products .	365.88	352.74	340.42	39.3	38.3	39.4	9.31	9.21	8.64
Screw machine products, bolts, etc. ..	340.07	347.81	343.39	38.6	39.3	39.2	8.81	8.85	8.76
Metal forgings and stampings	496.05	505.40	470.30	41.2	41.7	41.4	12.04	12.12	11.36
Machinery, except electrical	393.42	401.79	388.40	39.5	40.3	41.1	9.96	9.97	9.45
Construction and related machinery	394.21	398.33	378.28	38.8	39.4	40.2	10.16	10.11	9.41
Metalworking machinery	379.82	376.75	375.87	38.6	38.8	40.2	9.84	9.71	9.35
Special industry machinery	381.71	388.66	366.74	41.4	42.2	42.3	9.22	9.21	8.67
General industrial machinery	383.38	392.03	385.36	38.3	39.4	40.1	10.01	9.95	9.61
Electric and electronic equipment	365.49	366.16	346.73	39.3	39.8	39.9	9.30	9.20	8.69
Electrical industrial apparatus	342.62	340.48	356.79	37.9	38.0	41.2	9.04	8.96	8.66
Household appliances	375.41	383.40	339.68	39.6	40.4	38.6	9.48	9.49	8.80
Electric lighting and wiring equipment	365.09	359.79	322.26	39.9	40.7	39.3	9.15	8.84	8.20
Communication equipment	401.76	391.17	355.20	40.5	39.0	38.4	9.92	10.03	9.25
Transportation equipment	529.91	541.37	469.06	42.7	43.8	41.4	12.41	12.36	11.33
Motor vehicles and equipment	560.29	577.52	498.72	43.4	44.7	42.3	12.91	12.92	11.79
Aircraft and parts	453.86	443.90	396.08	40.2	40.8	39.1	11.29	10.88	10.13
Instruments and related products	284.20	280.02	263.70	39.2	39.0	39.3	7.25	7.18	6.71
Measuring and controlling devices	273.70	273.18	269.00	37.7	38.1	39.5	7.26	7.17	6.81
Nondurable Goods[e]	377.88	381.92	357.62	40.2	40.5	40.5	9.40	9.43	8.83
Food and kindred products	386.10	390.45	360.91	40.9	41.1	41.2	9.44	9.50	8.76
Meat products	412.00	417.58	401.80	40.0	40.7	41.0	10.30	10.26	9.80
Dairy products	387.13	381.89	343.14	43.4	43.2	43.0	8.92	8.84	7.98
Bakery products	371.99	373.97	368.06	39.7	39.7	42.6	9.37	9.42	8.64
Beverages	320.16	336.93	323.90	36.8	37.9	39.5	8.70	8.89	8.20
Textile mill products	258.86	274.22	260.25	37.9	39.8	40.1	6.83	6.89	6.49
Apparel and other textile products	213.67	218.37	207.92	36.4	36.7	36.8	5.87	5.95	5.65
Paper and allied products	390.92	390.96	372.74	43.1	43.2	43.8	9.07	9.05	8.51
Paper mills, except building paper	510.26	491.23	469.79	49.3	47.6	49.4	10.35	10.32	9.51
Misc. converted paper products	343.54	332.09	323.79	40.8	40.4	41.3	8.42	8.22	7.84
Paperboard containers and boxes	353.56	364.23	327.16	41.4	42.5	41.1	8.54	8.57	7.96
Printing and publishing	350.39	354.52	346.94	37.0	37.2	38.0	9.47	9.53	9.13
Newspapers	306.90	325.62	318.68	31.0	32.4	33.3	9.90	10.05	9.57
Commercial printing	368.21	358.90	370.99	38.8	38.1	39.3	9.49	9.42	9.44
Chemicals and allied products	419.22	416.97	386.51	41.1	41.0	40.9	10.20	10.17	9.45
Industrial inorganic chemicals	445.71	445.95	439.30	41.5	41.6	42.2	10.74	10.72	10.41
Plastics materials and synthetics	455.14	450.06	410.02	43.1	42.7	41.5	10.56	10.54	9.88
Petroleum and coal products	562.47	578.88	535.99	43.3	43.2	43.4	12.99	13.40	12.35
Rubber and misc. plastics products	388.14	395.37	363.69	40.6	41.4	40.5	9.56	9.55	8.98
Tires and inner tubes	512.68	523.58	515.27	42.3	43.2	43.3	12.12	12.12	11.90
Miscellaneous plastics products	372.67	378.10	342.07	39.9	40.7	39.5	9.34	9.29	8.66
Leather and leather products	193.21	192.77	184.88	37.3	37.0	37.2	5.18	5.21	4.97

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
NONMANUFACTURING	3080.0	3122.7	3084.4	- 1.4	- .1
MINING	33.0	33.1	32.4	- .6	1.7
Bituminous coal and lignite mining	13.9	14.0	14.1	- .4	- 1.3
CONSTRUCTION	152.6	149.0	166.7	2.4	- 8.4
General building contractors	36.7	34.9	39.8	5.2	- 7.8
Heavy construction contractors	25.5	25.3	28.2	.8	- 9.7
TRANSPORTATION AND PUBLIC UTILITIES	216.8	216.2	220.3	.3	- 1.6
Railroad transportation	24.9	24.6	26.7	1.1	- 6.9
Transportation, except railroads	95.4	95.5	96.6	- .1	- 1.3
Trucking and warehousing	71.0	71.1	72.1	- .1	- 1.6
Communication, electric, gas services	96.6	96.2	96.9	.4	- .4
Communication	54.6	54.6	55.5	.0	- 1.5
Electric, gas, and sanitary services	42.0	41.5	41.5	1.0	1.2
WHOLESALE TRADE	230.6	230.9	232.4	- .1	- .8
Wholesale trade-durable goods	148.3	148.5	149.9	- .2	- 1.1
Motor vehicles & automotive equipment	20.6	20.6	21.4	- .1	- 3.5
Electrical goods	19.4	19.4	19.5	- .4	- .6
Machinery, equipment, and supplies	62.4	62.3	62.4	.1	.1
Wholesale trade-nondurable goods	82.3	82.4	82.5	- .1	- .2
Groceries and related products	24.5	24.5	24.3	.2	.9
RETAIL TRADE	706.6	710.8	717.0	- .6	- 1.4
General merchandise stores	108.4	108.9	116.3	- .4	- 6.8
Department stores	98.8	99.2	106.1	- .3	- 6.9
Food stores	116.8	116.6	117.3	.2	- .4
Automotive dealers & service stations	70.7	70.9	73.8	- .3	- 4.2
Apparel and accessory stores	34.1	34.4	34.4	- 1.1	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	208.9	207.7	207.0	.6	.9
Banking	59.7	59.4	59.9	.5	- .3
Credit agencies other than banks	31.0	30.9	30.4	.3	1.9
Insurance carriers	59.3	59.1	59.0	.4	.6
SERVICES	896.5	900.1	864.7	- .4	3.7
Hotels and other lodging places	34.2	34.0	33.7	.4	1.5
Laundry, cleaning, & garment services	17.3	17.5	17.4	- 1.0	- .9
Business services	132.7	132.3	128.3	.3	3.4
Health services	317.2	313.9	300.4	1.1	5.6
Hospitals	175.6	173.4	167.4	1.2	4.9
GOVERNMENT	635.1	674.7	644.0	- 5.9	- 1.4
Federal government	90.4	89.6	91.2	.8	- .9
State government	125.4	137.9	126.1	- 9.0	- .6
State government, except education	72.6	71.4	73.4	1.7	- 1.1
State government education[i]	52.8	66.5	52.7	- 20.5	.2
Local government	419.3	447.2	426.6	- 6.2	- 1.7
Local government, except education	198.7	192.3	200.4	3.3	- .9
Local government education	220.6	254.9	226.2	- 13.5	- 2.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes, [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$444.26	$440.91	$428.85	42.8	42.6	43.1	$10.38	$10.35	$ 9.95
Bituminous coal and lignite mining	525.57	522.07	500.61	40.9	41.5	41.0	12.85	12.58	12.21
CONSTRUCTION	556.26	540.94	522.73	38.1	37.0	38.1	14.60	14.62	13.72
General building contractors	492.98	490.31	481.00	36.9	36.4	37.2	13.36	13.47	12.93
Heavy construction contractors	607.21	550.80	528.63	41.0	37.7	40.2	14.81	14.61	13.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	455.81	459.54	448.06	36.7	37.0	38.1	12.42	12.42	11.76
Communication, electric, gas services	418.48	418.31	392.78	40.2	40.3	41.0	10.41	10.38	9.58
Communication	400.30	402.73	378.68	39.4	39.6	40.5	10.16	10.17	9.35
Electric, gas, and sanitary services	441.66	440.26	412.00	41.2	41.3	41.7	10.72	10.66	9.88
WHOLESALE TRADE	311.59	308.46	299.12	38.9	38.8	39.1	8.01	7.95	7.65
Wholesale trade-durable goods	303.03	300.70	295.07	38.9	38.9	39.5	7.79	7.73	7.47
Motor vehicles & automotive equipment	256.19	251.66	279.50	38.7	37.9	39.2	6.62	6.64	7.13
Electrical goods	255.07	252.52	248.30	37.4	37.3	38.2	6.82	6.77	6.50
Machinery, equipment, and supplies	331.57	328.94	308.11	39.1	39.3	39.4	8.48	8.37	7.82
Wholesale trade-nondurable goods	327.99	322.25	307.26	39.0	38.5	38.6	8.41	8.37	7.96
Groceries and related products	362.37	359.77	344.43	41.7	41.4	41.2	8.69	8.69	8.36
RETAIL TRADE[f]	155.17	153.83	152.70	29.5	29.3	30.0	5.26	5.25	5.09
General merchandise stores	161.39	156.60	154.43	30.8	30.0	30.4	5.24	5.22	5.08
Department stores	163.55	158.70	156.67	30.8	30.0	30.6	5.31	5.29	5.12
Food stores	226.89	227.84	234.53	31.6	31.6	33.6	7.18	7.21	6.98
Automotive dealers & service stations	198.15	199.93	201.47	36.9	37.3	37.8	5.37	5.36	5.33
Apparel and accessory stores	113.30	112.88	113.29	27.3	27.2	27.7	4.15	4.15	4.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	202.84	200.26	185.16	....	....	....	....	....	....
Credit agencies other than banks	201.75	200.12	189.93	....	....	....	....	....	....
Insurance carriers	273.18	270.40	253.91	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	264.96	263.93	241.40	34.1	34.1	34.0	7.77	7.74	7.10
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	251.6	252.1	257.1	- .2	- 2.1
MANUFACTURING	70.1	70.8	75.8	- 1.0	- 7.6
Durable Goods[e]	34.8	35.4	38.0	- 1.7	- 8.3
Stone, clay, and glass products	1.6	1.6	1.9	.6	- 16.0
Fabricated metal products	12.9	13.5	14.7	- 4.4	- 11.8
Machinery, except electrical	9.8	9.9	10.8	- .9	- 9.5
Special industry machinery	1.8	1.9	2.1	- 4.3	- 14.7
Nondurable Goods[f]	35.2	35.4	37.8	- .4	- 6.8
Food and kindred products	2.8	2.8	3.0	- 1.5	- 7.6
Chemicals and allied products	3.7	3.6	3.4	.9	7.9
Rubber and misc. plastics products	23.7	24.0	26.2	- 1.0	- 9.5
Tires and inner tubes	17.7	18.0	20.2	- 1.7	- 12.3
NONMANUFACTURING[g]	181.5	181.3	181.2	.1	.1
CONSTRUCTION	7.9	7.3	8.6	8.8	- 8.1
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.7	13.9	- .5	- 1.8
Communication, electric, gas services	5.6	5.6	5.5	.5	1.1
WHOLESALE TRADE	12.4	12.3	12.1	.3	2.3
RETAIL TRADE	45.5	45.6	45.5	- .4	.0
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	.3	.4
SERVICES	55.0	54.8	53.6	.4	2.7
GOVERNMENT	37.1	37.6	37.6	- 1.3	- 1.4
State government (includes education)	9.5	8.6	9.6	10.5	- 1.1
Local government (includes education)	25.5	26.9	25.9	- 5.2	- 1.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.02	$407.12	$400.98	41.3	41.5	41.9	$ 9.71	$ 9.81	$ 9.57
Durable Goods[d]	392.92	401.44	383.26	41.1	41.6	41.3	9.56	9.65	9.28
Stone, clay, and glass products	366.54	376.68	364.56	41.7	43.0	41.1	8.79	8.76	8.87
Fabricated metal products	393.02	394.82	385.31	39.9	39.8	39.6	9.85	9.92	9.73
Machinery, except electrical	387.81	407.45	387.47	41.7	43.3	43.1	9.30	9.41	8.99
Special industry machinery	347.38	367.33	360.40	38.9	41.6	42.6	8.93	8.83	8.46
Nondurable Goods[e]	412.26	415.24	423.02	41.6	41.4	42.6	9.91	10.03	9.93
Food and kindred products	429.79	425.92	401.62	44.4	44.0	46.7	9.68	9.68	8.60
Chemicals and allied products	434.51	434.09	440.95	41.7	41.5	45.6	10.42	10.46	9.67
Rubber and misc. plastics products	431.04	437.14	451.54	42.3	42.4	42.8	10.19	10.31	10.55
Tires and inner tubes	550.23	559.07	552.13	43.6	44.3	44.1	12.62	12.62	12.52
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	526.29	552.90	523.77	37.7	38.8	39.0	13.96	14.25	13.43
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	421.20	410.40	395.09	40.0	40.0	40.9	10.53	10.26	9.66
WHOLESALE TRADE	284.57	282.17	280.74	39.8	39.3	38.3	7.15	7.18	7.33
RETAIL TRADE[f]	170.07	171.80	168.17	30.1	30.3	30.8	5.65	5.67	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	155.1	155.9	158.4	- .5	- 2.1
MANUFACTURING	51.7	52.1	56.1	- .9	- 7.9
Durable Goods[e]	39.7	40.2	43.9	- 1.2	- 9.4
Stone, clay, and glass products	1.9	2.0	2.2	- 1.8	- 11.0
Primary metal industries	11.8	12.2	14.8	- 3.1	- 20.2
Fabricated metal products	9.3	9.3	10.1	- .1	- 7.1
Fabricated structural metal products	3.4	3.4	3.3	- .1	4.0
Metal forgings and stampings	2.5	2.5	3.1	.2	- 19.4
Nondurable Goods[f]	11.9	11.9	12.2	.1	- 2.6
Food and kindred products	4.2	4.2	4.3	1.3	- 2.4
Rubber and misc. plastics products	3.2	3.2	3.2	- 1.2	- .7
NONMANUFACTURING[g]	103.4	103.8	102.3	- .3	1.1
CONSTRUCTION	5.8	5.3	5.6	9.8	2.8
TRANSPORTATION AND PUBLIC UTILITIES	7.1	7.1	7.0	- .4	.5
Communication, electric, gas services	3.1	3.0	3.0	.2	1.1
WHOLESALE TRADE	7.3	7.4	7.4	- .5	- .3
RETAIL TRADE	26.2	26.3	26.0	- .1	.9
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	2.6
SERVICES	30.9	31.0	30.3	- .3	2.0
GOVERNMENT	18.1	18.8	18.2	- 3.4	- .2
Local government (includes education)	15.1	15.8	15.0	- 4.2	.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$399.84	$403.46	$387.25	39.2	39.4	39.8	$10.20	$10.24	$ 9.73
Durable Goods[d]	403.91	410.55	390.66	38.8	39.1	39.5	10.41	10.50	9.89
Stone, clay, and glass products	259.90	259.07	264.38	39.2	38.9	42.3	6.63	6.66	6.25
Primary metal industries	449.81	454.98	462.17	36.6	36.9	39.2	12.29	12.33	11.79
Fabricated metal products	426.78	434.91	388.44	39.7	39.9	39.0	10.75	10.90	9.96
Fabricated structural metal products	409.18	398.78	361.21	41.0	40.2	41.0	9.98	9.92	8.81
Metal forgings and stampings	485.47	525.36	456.30	38.9	40.6	39.0	12.48	12.94	11.70
Nondurable Goods[e]	382.32	377.58	368.74	40.5	40.6	40.7	9.44	9.30	9.06
Food and kindred products	418.42	417.88	393.12	38.6	38.8	39.0	10.84	10.77	10.08
Rubber and misc. plastics products	403.42	402.54	394.16	46.0	45.9	46.1	8.77	8.77	8.55
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	542.43	532.17	509.18	36.8	36.4	38.4	14.74	14.62	13.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	434.19	423.91	409.36	41.0	40.8	41.9	10.59	10.39	9.77
WHOLESALE TRADE	293.74	281.25	275.60	38.0	37.4	38.6	7.73	7.52	7.14
RETAIL TRADE[f]	151.17	150.23	146.42	29.7	29.4	29.7	5.09	5.11	4.93
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	582.3	592.5	590.5	- 1.7	- 1.4
MANUFACTURING	149.9	151.7	158.4	- 1.2	- 5.4
Durable Goods[e]	82.8	84.2	88.3	- 1.6	- 6.2
Furniture and fixtures	2.2	2.2	2.5	- .4	- 12.7
Primary metal industries	2.3	2.3	2.6	- 1.3	- 12.5
Fabricated metal products	12.7	12.8	14.7	- 1.2	- 13.8
Fabricated structural metal products	4.4	4.3	4.7	2.7	- 7.4
Machinery, except electrical	22.7	23.6	25.8	- 3.9	- 11.9
Metalworking machinery	11.3	12.1	13.6	- 6.7	- 16.6
General industrial machinery	3.4	3.4	3.8	- .4	- 11.2
Electric and electronic equipment	8.1	8.2	8.8	- 1.5	- 8.1
Transportation equipment	23.9	23.7	23.1	.6	3.3
Motor vehicles and equipment	9.0	9.1	7.0	- .8	28.6
Nondurable Goods[f]	67.1	67.6	70.1	- .7	- 4.4
Food and kindred products	15.9	16.2	16.7	- 1.9	- 4.8
Meat products	2.3	2.4	2.6	- 3.5	- 13.1
Bakery products	2.5	2.4	2.5	1.7	- .9
Beverages	4.5	4.7	4.7	- 5.0	- 4.7
Apparel and other textile products	3.9	3.8	3.9	1.0	.4
Paper and allied products	5.9	6.1	6.3	- 3.2	- 6.6
Printing and publishing	11.6	11.6	12.0	.3	- 3.3
Chemicals and allied products	22.1	22.1	22.4	.0	- 1.3
Rubber and misc. plastics products	3.8	3.9	4.5	- 2.3	- 15.6
NONMANUFACTURING[g]	432.5	440.8	432.0	- 1.9	.1
CONSTRUCTION	21.5	21.9	23.9	- 1.7	- 9.9
TRANSPORTATION AND PUBLIC UTILITIES	32.9	33.0	33.2	- .4	- .9
Communication, electric, gas services	14.5	14.4	14.3	.6	1.1
WHOLESALE TRADE	37.6	37.7	38.0	- .3	- .9
RETAIL TRADE	100.0	100.7	101.0	- .7	- 1.0
FINANCE, INSURANCE, AND REAL ESTATE	32.5	32.3	32.6	.7	- .3
Banking	7.5	7.4	7.6	[illegible]	- 1.2
Insurance carriers	11.3	11.3	11.3	.6	- .1
SERVICES	130.7	130.9	126.3	- .2	3.5
GOVERNMENT	76.9	83.9	76.8	- 8.4	.0
Federal government	13.0	13.2	12.9	- 1.2	.7
State government (includes education)	16.3	18.3	16.5	- 11.1	- 1.1
Local government	47.6	52.4	47.4	- 9.2	.3
Local government, except education	23.0	22.8	22.7	.7	1.1
Local government education	24.6	29.6	24.7	- 16.9	- .5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$390.17	$394.42	$357.06	40.6	41.0	40.9	$ 9.61	$ 9.62	$ 8.73
Durable Goods[d]	385.97	390.04	348.47	40.5	41.1	40.9	9.53	9.49	8.52
Furniture and fixtures	255.23	255.93	238.92	35.4	35.3	37.1	7.21	7.25	6.44
Primary metal industries	332.40	346.56	369.42	35.1	36.1	39.3	9.47	9.60	9.40
Fabricated metal products	355.85	367.57	341.13	40.3	41.3	41.5	8.83	8.90	8.22
Fabricated structural metal products	340.72	334.15	299.63	41.4	40.9	41.5	8.23	8.17	7.22
Machinery, except electrical	333.84	332.52	323.56	39.0	38.8	39.7	8.56	8.57	8.15
Metalworking machinery	371.84	349.13	350.84	39.1	37.3	39.2	9.51	9.36	8.95
General industrial machinery	319.73	352.97	334.82	38.2	40.9	41.8	8.37	8.63	8.01
Electric and electronic equipment	291.91	290.82	271.48	39.5	39.3	40.1	7.39	7.40	6.77
Transportation equipment	553.74	574.40	479.83	42.4	44.7	42.5	13.06	12.85	11.29
Motor vehicles and equipment	654.50	701.30	611.35	45.2	48.1	48.1	14.48	14.58	12.71
Nondurable Goods[e]	394.79	398.62	366.79	40.7	40.8	40.8	9.70	9.77	8.99
Food and kindred products	461.58	461.42	417.73	42.0	42.1	41.4	10.99	10.96	10.09
Meat products	454.02	456.96	442.24	42.0	42.0	41.8	10.81	10.88	10.58
Bakery products	384.39	388.82	399.12	41.0	40.8	45.2	9.39	9.53	8.83
Beverages	422.10	423.85	367.48	42.0	42.3	39.9	10.05	10.02	9.21
Apparel and other textile products	218.50	231.67	205.91	38.2	39.2	37.1	5.72	5.91	5.55
Paper and allied products	338.25	348.19	319.76	41.3	41.9	41.1	8.19	8.31	7.78
Printing and publishing	355.42	371.89	354.73	37.1	38.3	38.6	9.58	9.71	9.19
Chemicals and allied products	446.61	440.90	408.39	41.7	40.9	41.8	10.71	10.78	9.77
Rubber and misc. plastics products	320.67	317.48	331.36	41.7	41.5	43.6	7.69	7.65	7.60
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	568.89	508.01	529.21	38.7	34.7	38.6	14.70	14.64	13.71
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	393.28	401.02	371.47	38.9	39.2	39.9	10.11	10.23	9.31
WHOLESALE TRADE	315.95	314.79	294.84	39.2	39.3	39.0	8.06	8.01	7.56
RETAIL TRADE[f]	155.86	155.62	154.11	30.5	30.1	30.7	5.11	5.17	5.02
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	199.17	199.44	188.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	863.0	870.1	887.2	- .8	- 2.7
MANUFACTURING	230.2	232.8	250.0	- 1.1	- 7.9
Durable Goods[e]	164.0	165.6	182.0	- 1.0	- 9.9
Furniture and fixtures	2.1	2.2	2.2	- 4.7	- 4.9
Primary metal industries	27.1	27.0	30.1	.3	- 10.0
Blast furnace and basic steel products	14.2	14.1	15.9	1.0	- 10.4
Iron and steel foundries	6.6	6.8	7.2	- 3.5	- 8.8
Nonferrous foundries	2.8	2.7	2.9	5.8	- 3.0
Fabricated metal products	35.7	36.4	39.7	- 1.9	- 10.0
Fabricated structural metal products	4.2	4.2	4.7	- 1.2	- 12.0
Screw machine products, bolts, etc.	5.6	5.6	5.9	- .4	- 5.5
Metal forgings and stampings	12.5	12.9	13.6	- 2.9	- 8.4
Machinery, except electrical	39.1	39.7	45.6	- 1.5	- 14.3
Construction and related machinery	5.9	6.2	7.8	- 4.0	- 23.6
Metalworking machinery	14.1	14.1	16.4	.3	- 14.0
Special industry machinery	4.3	4.3	4.6	.3	- 7.3
General industrial machinery	3.1	3.2	3.6	- 3.0	- 13.9
Electric and electronic equipment	24.3	24.3	24.5	- .1	- .9
Electrical industrial apparatus	8.3	8.3	9.0	- .3	- 8.3
Transportation equipment	20.6	20.9	23.8	- 1.4	- 13.7
Motor vehicles and equipment	13.6	13.9	16.3	- 1.8	- 16.6
Instruments and related products	6.3	6.4	6.7	- 1.0	- 5.7
Nondurable Goods[f]	66.3	67.2	68.0	- 1.4	- 2.6
Food and kindred products	8.2	8.2	8.5	- .5	- 4.2
Bakery products	1.8	1.8	1.9	- .2	- 1.8
Beverages	1.6	1.6	1.6	- .5	- 1.8
Apparel and other textile products	5.2	5.3	5.4	- .6	- 3.7
Paper and allied products	4.9	5.0	5.1	- 2.0	- 3.7
Printing and publishing	14.8	15.6	15.4	- 4.9	- 3.7
Chemicals and allied products	15.8	15.7	16.5	.3	- 4.1
Industrial inorganic chemicals	4.0	4.1	4.3	- .7	- 5.3
Rubber and misc. plastics products	10.8	10.9	10.9	- .9	- 1.1
NONMANUFACTURING[g]	632.8	637.3	637.2	- .7	- .7
CONSTRUCTION	27.6	27.1	29.2	1.7	- 5.6
TRANSPORTATION AND PUBLIC UTILITIES	44.8	44.7	45.7	.3	- 2.0
Communication, electric, gas services	20.1	20.0	20.0	.6	.6
WHOLESALE TRADE	61.3	61.4	62.6	- .2	- 2.2
RETAIL TRADE	134.3	135.9	136.9	- 1.1	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	48.4	48.3	48.5	.2	- .2
Banking	13.6	13.6	13.9	.3	- 2.2
Insurance carriers	11.8	11.9	12.0	- .3	- 1.4
SERVICES	197.3	198.4	192.0	- .6	2.8
GOVERNMENT	118.0	120.2	121.0	- 1.8	- 2.5
Federal government	19.6	19.5	20.0	.7	- 2.0
State government (includes education)	7.2	7.7	7.6	- 7.0	- 5.4
Local government	91.2	93.0	93.4	- 2.0	- 2.4
Local government, except education	50.8	47.2	50.7	7.7	.2
Local government education	40.4	45.8	42.7	- 11.9	- 5.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.66	$420.25	$391.79	40.3	41.0	40.6	$10.19	$10.25	$ 9.65
Durable Goods[d]	432.95	444.39	410.23	40.5	41.3	40.9	10.69	10.76	10.03
Furniture and fixtures	270.11	299.70	314.36	36.8	40.5	43.6	7.34	7.40	7.21
Primary metal industries	505.88	525.84	488.57	40.6	41.7	42.3	12.46	12.61	11.55
Blast furnace and basic steel products	492.53	538.54	536.36	37.2	40.1	42.2	13.24	13.43	12.71
Iron and steel foundries	651.46	636.05	539.57	46.4	45.4	43.2	14.04	14.01	12.49
Nonferrous foundries	335.62	341.82	318.80	39.3	39.7	39.9	8.54	8.61	7.99
Fabricated metal products	436.17	439.43	395.11	41.5	41.3	40.4	10.51	10.64	9.78
Fabricated structural metal products	351.54	342.29	314.34	41.9	40.7	39.0	8.39	8.41	8.06
Screw machine products, bolts, etc.	345.85	349.44	342.47	38.3	38.4	39.5	9.03	9.10	8.67
Metal forgings and stampings	560.23	578.95	496.44	43.7	44.5	42.0	12.82	13.01	11.82
Machinery, except electrical	404.40	407.95	405.55	39.3	39.8	40.8	10.29	10.25	9.94
Construction and related machinery	443.35	440.22	405.38	39.2	39.2	37.5	11.31	11.23	10.81
Metalworking machinery	386.06	365.10	404.21	38.3	37.6	41.8	10.08	9.71	9.67
Special industry machinery	408.58	416.77	391.04	39.9	40.7	39.3	10.24	10.24	9.95
General industrial machinery	386.28	387.69	397.62	38.9	39.2	42.3	9.93	9.89	9.40
Electric and electronic equipment	341.83	340.08	357.81	38.8	39.0	41.8	8.81	8.72	8.56
Electrical industrial apparatus	332.28	331.51	382.20	36.0	35.8	42.0	9.23	9.26	9.10
Transportation equipment	532.12	585.35	448.52	42.4	46.2	38.9	12.55	12.67	11.53
Motor vehicles and equipment	561.00	636.22	463.20	42.5	47.8	38.6	13.20	13.31	12.00
Instruments and related products	321.20	327.18	297.11	40.2	41.0	40.7	7.99	7.98	7.30
Nondurable Goods[e]	347.85	350.88	334.36	39.8	40.1	39.9	8.74	8.75	8.38
Food and kindred products	382.20	380.52	344.76	42.8	42.9	40.8	8.93	8.87	8.45
Bakery products	397.44	396.35	354.71	41.1	42.3	39.5	9.67	9.37	8.98
Beverages	309.66	325.21	310.37	39.0	40.6	41.0	7.94	8.01	7.57
Apparel and other textile products	246.26	247.53	234.99	37.2	37.0	37.3	6.62	6.69	6.30
Paper and allied products	356.73	358.28	347.76	40.4	40.9	42.0	8.83	8.76	8.28
Printing and publishing	354.65	369.89	356.44	36.3	37.4	38.0	9.77	9.89	9.38
Chemicals and allied products	428.06	425.76	393.59	41.6	41.7	41.3	10.29	10.21	9.53
Industrial inorganic chemicals	410.17	423.12	409.82	39.9	41.0	40.1	10.28	10.32	10.22
Rubber and misc. plastics products	304.06	309.41	288.16	41.2	41.7	40.7	7.38	7.42	7.08
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	620.02	623.32	574.93	37.6	37.8	37.7	16.49	16.49	15.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.51	448.44	422.51	40.1	40.4	41.1	11.06	11.10	10.28
WHOLESALE TRADE	332.74	333.26	317.49	39.1	39.3	39.1	8.51	8.48	8.12
RETAIL TRADE[f]	172.24	164.74	161.62	29.8	28.7	29.6	5.78	5.74	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	233.80	227.62	213.81	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	502.5	509.2	504.0	- 1.3	- .3
MANUFACTURING	88.5	88.5	93.0	.1	- 4.8
Durable Goods[e]	55.6	55.5	59.4	.3	- 6.4
Stone, clay, and glass products	9.1	9.0	9.7	1.7	- 5.7
Fabricated metal products	9.1	9.2	11.4	- 1.3	- 20.1
Machinery, except electrical	10.7	10.9	11.9	- 1.7	- 10.5
Electric and electronic equipment	11.7	11.6	11.8	.6	- 1.0
Transportation equipment	6.4	6.3	5.7	2.4	13.6
Nondurable Goods[f]	32.9	33.0	33.6	- .3	- 2.0
Food and kindred products	10.9	10.8	10.6	.4	3.0
Printing and publishing	8.4	8.4	8.5	.4	- 1.8
Chemicals and allied products	6.1	6.1	6.0	- .2	1.8
Rubber and misc. plastics products	2.7	2.7	3.2	- 2.0	- 17.1
NONMANUFACTURING[g]	413.9	420.7	411.0	- 1.6	.7
CONSTRUCTION	17.7	16.6[h]	19.3	6.4	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	23.8	23.9	24.3	- .4	- 2.2
Communication, electric, gas services	11.4	11.4	11.6	- .3	- 1.6
WHOLESALE TRADE	27.7	27.7	27.3	- .1	1.3
RETAIL TRADE	92.5	93.5	91.5	- 1.1	1.1
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.2	39.6	.6	4.7
Banking	8.2	8.1	7.8	1.3	4.6
Insurance carriers	17.9	17.9	17.3	.2	3.9
SERVICES	113.6	114.1	109.4	- .5	3.8
GOVERNMENT	96.3	102.8	98.7	- 6.3	- 2.4
Federal government	11.5	11.6	11.7	- .7	- 2.0
State government	44.8	48.4	45.4	- 7.6	- 1.4
State government, except education	29.0	28.8	29.5	.9	- 1.4
State government education[i]	15.7	19.7	16.0	- 20.0	- 1.4
Local government	40.0	42.7	41.6	- 6.3	- 3.7
Local government, except education	19.9	17.9	20.5	11.0	- 2.7
Local government education	20.1	24.8	21.1	- 18.8	- 4.7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$370.80	$373.33	$339.31	39.7	40.1	39.5	$ 9.34	$ 9.31	$ 8.59
Durable Goods[d]	384.64	385.52	350.16	39.9	40.2	39.3	9.64	9.59	8.91
Stone, clay, and glass products	363.13	364.00	334.62	39.6	40.4	39.6	9.17	9.01	8.45
Fabricated metal products	447.35	448.40	412.65	39.8	40.0	39.3	11.24	11.21	10.50
Machinery, except electrical	369.36	381.56	342.72	40.5	41.7	40.8	9.12	9.15	8.40
Electric and electronic equipment	380.55	371.45	331.49	40.7	40.2	38.5	9.35	9.24	8.61
Transportation equipment	456.09	477.73	385.15	41.5	43.0	40.8	10.99	11.11	9.44
Nondurable Goods[e]	345.63	348.65	317.60	39.5	39.8	39.9	8.75	8.76	7.96
Food and kindred products	345.58	369.79	317.42	40.8	43.2	40.8	8.47	8.56	7.78
Printing and publishing	395.01	390.97	343.34	37.8	37.2	36.8	10.45	10.51	9.33
Chemicals and allied products	395.37	387.73	365.98	41.4	40.9	41.4	9.55	9.48	8.84
Rubber and misc. plastics products	307.97	283.28	284.80	40.1	36.6	40.0	7.68	7.74	7.12
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	497.42	488.82	473.50	38.5	38.1	39.1	12.92	12.83	12.11
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	426.26	432.28	408.62	39.8	40.1	41.4	10.71	10.78	9.87
WHOLESALE TRADE	303.42	297.22	289.08	39.0	38.5	39.6	7.78	7.72	7.30
RETAIL TRADE[f]	155.00	149.95	143.47	29.3	28.4	29.4	5.29	5.28	4.88
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	225.04	221.80	180.02	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	343.1	347.8	349.4	- 1.4	- 1.8
MANUFACTURING	90.8	90.7	97.9	.1	- 7.2
Durable Goods[e]	63.1	63.1	67.0	.0	- 5.7
Stone, clay, and glass products	2.0	2.1	2.4	- 3.9	- 13.9
Fabricated metal products	6.9	6.9	7.1	.9	- 1.7
Machinery, except electrical	29.7	29.8	31.5	- .1	- 5.5
Metalworking machinery	6.3	6.3	7.3	.0	- 13.4
Electric and electronic equipment	4.9	5.0	5.6	- 1.7	- 12.1
Electrical industrial apparatus	2.8	2.9	3.4	- 3.4	- 18.4
Transportation equipment	13.5	13.5	13.9	.7	- 2.7
Nondurable Goods[f]	27.7	27.6	30.9	.2	- 10.5
Food and kindred products	3.2	3.1	3.0	2.6	6.4
Paper and allied products	5.2	5.3	6.0	- 2.1	- 14.3
Printing and publishing	7.5	7.5	9.2	.2	- 18.1
Rubber and misc. plastics products	7.9	7.9	8.9	.7	- 10.8
NONMANUFACTURING[g]	252.2	257.1	251.5	- 1.9	.3
CONSTRUCTION	11.5	11.2	12.7	3.5	- 8.9
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.3	13.5	- .4	- 1.9
Communication, electric, gas services	6.5	6.5	6.8	.1	- 3.9
WHOLESALE TRADE	16.7	16.6	16.5	.3	.9
RETAIL TRADE	55.2	55.9	56.2	- 1.1	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	14.2	14.1	13.7	.9	3.6
SERVICES	76.5	76.8	73.4	- .5	4.2
GOVERNMENT	64.5	68.9	65.2	- 6.4	- 1.1
Federal government	26.5	26.1	26.4	1.4	.4
State government (includes education)	6.2	6.7	5.5	- 7.3	12.3
Local government	31.8	36.1	33.3	- 11.8	- 4.4
Local government, except education	12.9	12.9	14.6	.2	- 11.4
Local government education	18.9	23.2	18.7	- 18.5	1.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$424.56	$429.30	$400.61	41.1	41.2	41.6	$10.33	$10.42	$ 9.63
Durable Goods[d]	430.36	431.19	404.18	41.5	41.5	42.5	10.37	10.39	9.51
Stone, clay, and glass products	395.20	398.69	342.07	40.0	40.6	39.5	9.88	9.82	8.66
Fabricated metal products	330.17	300.95	301.90	39.4	37.2	40.2	8.38	8.09	7.51
Machinery, except electrical	434.92	455.18	410.13	41.5	42.5	42.5	10.48	10.71	9.65
Metalworking machinery	390.78	398.00	383.64	39.0	40.0	40.9	10.02	9.95	9.38
Electric and electronic equipment	301.10	300.29	295.48	40.2	40.2	41.5	7.49	7.47	7.12
Electrical industrial apparatus	321.98	312.78	313.41	39.8	39.0	41.9	8.09	8.02	7.48
Transportation equipment	577.28	549.50	556.31	44.0	42.4	44.9	13.12	12.96	12.39
Nondurable Goods[e]	411.87	427.35	394.02	40.3	40.7	39.8	10.22	10.50	9.90
Food and kindred products	369.27	380.24	367.62	37.3	38.1	39.7	9.90	9.98	9.26
Paper and allied products	349.45	335.78	338.25	41.8	40.7	41.2	8.36	8.25	8.21
Printing and publishing	400.80	380.02	432.37	38.8	37.7	41.1	10.33	10.08	10.52
Rubber and misc. plastics products	525.34	575.96	460.63	42.4	43.6	38.1	12.39	13.21	12.09
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	550.43	497.78	500.86	39.8	36.9	39.5	13.83	13.49	12.68
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	416.71	417.10	404.42	39.8	39.8	41.1	10.47	10.48	9.84
WHOLESALE TRADE	302.43	300.56	287.60	41.6	41.4	41.5	7.27	7.26	6.93
RETAIL TRADE[f]	150.75	149.21	149.30	29.5	29.2	29.8	5.11	5.11	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	281.1	288.1	289.2	- 2.5	- 2.8
MANUFACTURING	68.3	69.2	74.3	- 1.3	- 8.1
Durable Goods[e]	53.1	53.6	57.7	- .9	- 7.9
Stone, clay, and glass products	12.3	12.2	13.1	.9	- 6.4
Primary metal industries	3.9	4.1	3.7	- 5.1	6.5
Fabricated metal products	7.0	7.1	8.0	- 2.0	- 13.5
Metal forgings and stampings	3.3	3.3	3.9	- 1.0	- 16.8
Machinery, except electrical	6.1	6.1	7.1	.3	- 14.0
General industrial machinery	1.9	1.9	2.1	- 3.4	- 12.5
Transportation equipment	16.5	16.7	17.0	- .8	- 2.9
Motor vehicles and equipment	15.1	15.2	15.9	- .8	- 4.8
Nondurable Goods[f]	15.2	15.6	16.7	- 2.5	- 9.0
Food and kindred products	3.8	4.1	4.0	- 6.6	- 5.0
Petroleum and coal products	1.7	1.7	2.0	1.5	- 13.4
Rubber and misc. plastics products	2.9	2.9	3.3	- 1.9	- 12.1
NONMANUFACTURING[g]	212.8	219.0	214.8	- 2.8	- .9
CONSTRUCTION	9.7[h]	10.5[h]	12.4	- 7.4	- 22.0
TRANSPORTATION AND PUBLIC UTILITIES	19.2	19.2	19.3	.3	- .6
Communication, electric, gas services	7.9	7.8	7.7	1.1	1.8
WHOLESALE TRADE	14.3	14.5	14.8	- 1.0	- 3.2
RETAIL TRADE	51.0	51.6	51.6	- 1.3	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.8	10.6	- .4	1.3
SERVICES	67.0	66.6	64.2	.5	4.4
GOVERNMENT	40.3	45.3	41.4	- 11.0	- 2.5
State government (includes education)	12.5	14.9	12.5	- 15.9	.2
Local government	25.0	27.6	26.1	- 9.5	- 4.1
Local government, except education	11.4	11.1	12.0	2.3	- 5.6
Local government education	13.6	16.5	14.0	- 17.4	- 2.8

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$460.64	$458.96	$400.36	41.8	41.8	40.4	$11.02	$10.98	$ 9.91
Durable Goods[d]	480.06	474.13	409.66	42.0	41.7	40.4	11.43	11.37	10.14
Stone, clay, and glass products	488.94	487.73	413.76	43.5	43.2	41.5	11.24	11.29	9.97
Primary metal industries	424.27	421.88	444.77	42.3	42.7	44.7	10.03	9.88	9.95
Fabricated metal products	447.31	456.20	343.42	41.0	41.7	38.2	10.91	10.94	8.99
Metal forgings and stampings	526.96	533.52	399.09	42.6	43.2	38.3	12.37	12.35	10.42
Machinery, except electrical	420.95	423.31	411.67	39.9	40.2	40.8	10.55	10.53	10.09
General industrial machinery	484.51	479.40	454.82	41.2	40.8	40.5	11.76	11.75	11.23
Transportation equipment	559.40	543.02	476.40	42.8	41.9	40.0	13.07	12.96	11.91
Motor vehicles and equipment	558.97	548.60	472.43	42.8	42.2	39.7	13.06	13.00	11.90
Nondurable Goods[e]	391.68	401.28	366.12	41.1	41.8	40.5	9.53	9.60	9.04
Food and kindred products	420.65	444.32	393.12	43.5	44.7	43.2	9.67	9.94	9.10
Petroleum and coal products	603.94	616.28	575.09	43.2	43.4	43.7	13.98	14.20	13.16
Rubber and misc. plastics products	332.86	330.89	297.60	40.2	40.6	38.4	8.28	8.15	7.75
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	585.93	617.27	584.08	37.9	38.7	38.3	15.46	15.95	15.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	472.37	452.25	422.28	41.4	40.2	40.8	11.41	11.25	10.35
WHOLESALE TRADE	327.66	324.80	309.21	38.1	37.9	38.7	8.60	8.57	7.99
RETAIL TRADE[f]	160.14	158.26	158.40	29.6	29.2	30.0	5.41	5.42	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1982[b]	June 1982[c]	July 1981[c]	June 1982	July 1981
TOTAL	188.2	191.4	200.9	- 1.7	- 6.3
MANUFACTURING	56.8	57.6	69.0	- 1.4	- 17.6
Durable Goods[e]	51.0	51.9	63.3	- 1.6	- 19.4
Stone, clay, and glass products	1.9	1.8	2.0	2.7	- 3.9
Primary metal industries	23.7	24.5	29.2	- 3.2	- 18.8
Blast furnace and basic steel products	10.9	11.6	15.6	- 6.0	- 29.8
Fabricated metal products	8.6	8.6	9.4	.4	- 8.6
Fabricated structural metal products	2.7	2.7	2.7	- .8	- .8
Machinery, except electrical	5.0	5.1	5.6	- 1.8	- 10.0
Metalworking machinery	2.3	2.4	2.5	- 3.0	- 8.1
Electric and electronic equipment	2.9	3.0	3.0	- .9	- 2.8
Transportation equipment	7.1	7.2	12.2	- 1.5	- 41.7
Nondurable Goods[f]	5.8	5.8	5.7	1.0	1.8
NONMANUFACTURING[g]	131.3	133.8	131.9	- 1.8	- .5
CONSTRUCTION	6.2	6.1	7.0	1.3	- 11.2
TRANSPORTATION AND PUBLIC UTILITIES	9.2	9.1	9.3	.8	- 1.5
Communication, electric, gas services	3.3	3.3	3.3	.7	- .2
WHOLESALE TRADE	7.9	7.9	7.9	.4	- .2
RETAIL TRADE	36.0	36.2	36.5	- .5	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.3	.6	2.0
SERVICES	40.3	40.2	39.6	.3	1.9
GOVERNMENT	23.4	26.1	23.6	- 10.2	- .9
Local government (includes education)	18.4	20.3	18.8	- 9.1	- 1.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]	July 1982[b]	June 1982[c]	July 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$466.50	$469.57	$470.66	39.5	40.1	40.4	$11.81	$11.71	$11.65
Durable Goods[d]	481.54	484.81	481.59	39.6	40.3	40.3	12.16	12.03	11.95
Stone, clay, and glass products	301.39	323.70	282.80	36.8	39.0	35.0	8.19	8.30	8.08
Primary metal industries	478.94	510.78	497.31	36.7	39.2	39.5	13.05	13.03	12.59
Blast furnace and basic steel products	490.46	517.63	517.60	35.8	38.4	40.0	13.70	13.48	12.94
Fabricated metal products	461.33	459.82	518.23	38.8	39.1	42.9	11.89	11.76	12.08
Fabricated structural metal products	354.52	351.22	396.42	36.7	36.7	40.7	9.66	9.57	9.74
Machinery, except electrical	425.59	434.72	418.00	37.3	38.1	38.0	11.41	11.41	11.00
Metalworking machinery	446.75	449.80	456.75	39.5	39.7	40.6	11.31	11.33	11.25
Electric and electronic equipment	392.70	380.03	319.50	42.5	41.9	37.9	9.24	9.07	8.43
Transportation equipment	652.56	573.29	533.75	49.7	45.9	42.7	13.13	12.49	12.50
Nondurable Goods[e]	317.57	321.70	343.86	38.4	38.9	42.4	8.27	8.27	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	606.29	553.15	536.38	40.5	37.4	37.8	14.97	14.79	14.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	421.05	408.18	422.61	40.1	39.9	43.3	10.50	10.23	9.76
WHOLESALE TRADE	331.63	330.06	329.64	39.2	39.2	40.2	8.46	8.42	8.20
RETAIL TRADE[f]	158.90	157.47	155.32	29.7	29.6	30.1	5.35	5.32	5.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities.	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate.	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
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Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
AUGUST 1982

Unemployment in Ohio, estimated at 657,000 in August, represented 12.5 percent of the civilian labor force--up from 644,000 (12.2 percent) in July. Total employment declined .8 percent, to 4,578,000. Nonagricultural payroll employment slipped .3 percent, to 4,181,000, due largely to scattered layoffs in manufacturing industries.

Factory employment in Ohio dropped .9 percent to 1,109,000--the lowest level since 1949. Much of the decline occurred among the automotive industries, as motor vehicle producers and suppliers of stamped-metal parts and wire reported layoffs due both to lack of orders and to retooling for 1983 models. Fewer orders also led to cutbacks in the production of general industrial machinery, and of glassware. Employment in food production increased, however, as vegetable canners added temporary workers.

Employment in Ohio's nonmanufacturing industries dipped fractionally from July, to 3,073,000 in August. Schools and colleges furloughed additional nonteaching personnel, lowering employment in public and private educational services. Layoffs were also reported among nonschool units of local government, and in coal mining. Losses were partially offset by seasonal hiring in construction, retailing, and amusements.

Average weekly earnings of Ohio's factory production workers slipped $3 from July, to $405 in August. The average workweek was unchanged at 40.1 hours. Curtailed overtime and layoffs of relatively high-paid workers were reported by auto makers and their suppliers. Effects of these losses on the overall hours and earnings averages were moderated by gains among other industries. Petroleum refiners and producers of household furniture reported more overtime. Higher earnings in basic steel and communication equipment were due chiefly to wage-rate increases, while gains in structural metal fabricating reflected a combination of higher rates and additional overtime.

Joblessness in Ohio increased by nearly 170,000 between August 1981 and August 1982, lifting the unemployment rate from 9.4 to 12.5 percent. Total employment was down 2.1 percent over the year, as nonfarm payrolls dropped 3.1 percent. Most of the decline occurred in durable-goods manufacturing, with nonelectrical machinery, primary metals, and metal fabricating accounting for over one-half of the total factory job loss. Nonmanufacturing employment held steady, as growth in services offset cutbacks elsewhere. Production workers in Ohio factories grossed $11 more per week in August 1982 than in August of last year, although their average workweek was .8 hours shorter.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural wage and salary employment in the Akron area totaled 251,300 in August, up 300 from July. Although manufacturing decreased 200, to 69,200, seasonal growth in retail trade and services boosted nonmanufacturing for the net gain. Average hourly earnings of factory production workers increased 16¢, to $9.84 an hour. Average weekly hours, at 40.8, were down .2 hours from the previous month.

Canton.--Nonfarm establishments in Canton employed 153,700 in August, 1,400 below July. Manufacturing accounted for over two-thirds of the decrease, due to layoffs in the production of industrial machinery and equipment. Substantial cutbacks in construction lowered nonmanufacturing employment for the month. The average workweek for factory production workers, at 39.0 hours, was .4 hours longer than in July. Their average hourly earnings rose 7¢, to $10.22 for the month.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment totaled 581,600 in August, little changed from July. In nonmanufacturing, shrinkage in government more than offset seasonal gains in construction. Manufacturing rose 600, to 149,900 for the month, as curtailments in motor vehicles production moderated recalls in other industries--notably metalworking machinery. Production workers in manufacturing industries grossed $9.62 per hour in August, down slightly from July. Their average workweek, at 40.7 hours, was .3 hours longer.

Cleveland.--Nonfarm payroll employment in Cleveland decreased 4,000 from July, to 857,600 in August. Layoffs of workers producing motor vehicles and metal forgings and stampings lowered manufacturing to 226,500--down 2,500 from July. Losses in government accounted for most of the decline in nonmanufacturing. The average workweek of factory production workers rose .3 hours, to 40.3 hours for the month. Hourly earnings slipped to $10.15, down 7¢ from July.

Columbus.--Nonagricultural establishments in the Columbus area employed 502,800 wage and salary workers in August, up 1,200 from July. Nonmanufacturing accounted for the increase, with greatest gains occurring in retail trade and construction. Manufacturing slipped 200, to 88,100 for the month. The average factory production worker grossed $9.42 per hour for a workweek of 39.7 hours in August--up 5¢ and .3 hours from July.

Dayton.--August nonfarm payroll employment in Dayton totaled 341,400, representing a drop of 1,300 from July. Manufacturing decreased 1,700, to 88,900 for the month, due mainly to cutbacks in durable-goods production. Seasonal expansion in services and retail trade boosted nonmanufacturing employment, tempering the manufacturing decline. The average factory production workweek, at 40.4 hours, was down .7 hours, while average hourly earnings, at $10.05, were down 23¢ from July.

Toledo.--Workers on nonfarm payrolls in Toledo numbered 281,600 in August, up 1,400 from July. Manufacturing, at 69,200, was up 2,000 from July. The increase resulted mainly from recalls in motor vehicles and equipment and seasonal expansion in food canning. However, seasonal cutbacks in schools and colleges lowered nonmanufacturing. Production workers in factories grossed $10.96 per hour, down 10¢ from July. Their average workweek slipped .2 hours, to 41.6 hours.

Youngstown-Warren.--The Youngstown-Warren area's nonagricultural wage and salary employment slipped 3,700 from July, to 183,700 in August. The decrease occurred in manufacturing--down 4,000, to 52,800--as automotive assembly workers were idled during retooling for new-model cars. Nonmanufacturing advanced only slightly over the month. The workweek and hourly earnings of the average manufacturing production worker, at 38.1 hours and $11.54 an hour, were down 1.3 hours and 31¢ respectively, from July.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 9-16-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	603.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
August ..	257.3	158.7	589.2	884.3	504.6	348.7	287.6	197.5
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August .	251.3	153.7	581.6	857.6	502.8	341.4	281.6	183.7
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.2	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
August ..	75.5	56.4	158.3	247.8	92.7	97.1	74.9	66.7
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.6	149.9	226.5	88.1	88.9	69.2	52.8

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
August ..	42.9	40.9	103.7	161.9	61.1	63.5	49.6	50.3
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.2	35.6	97.2	142.1	56.7	56.4	45.3	37.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
August ..	41.7	39.6	40.6	41.1	40.4	41.9	40.3	41.7
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.8	39.0	40.7	40.3	39.7	40.4	41.6	38.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
August ..	9.60	9.78	8.80	9.72	8.71	9.85	9.92	11.79
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	,.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.84	10.22	9.62	10.15	9.42	10.05	10.96	11.54
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
August ..	400.32	387.29	357.28	399.49	351.88	412.72	399.78	491.64
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	401.47	398.58	391.53	409.05	373.97	406.02	455.94	439.67

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

AKRON[b]

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
1971	277.7	261.3	16.3	5.9
1972	282.2	267.3	14.8	5.3
1973	287.1	274.9	12.2	4.3
1974	290.8	277.7	13.0	4.5
1975	292.0	264.3	27.7	9.5
1976	291.3	266.3	25.0	8.6
1977	294.2	274.7	19.5	6.6
1978	298.9	282.2	16.7	5.6
1979	303.8	285.4	18.4	6.1
1980	303.9	278.2	25.7	8.5
1981	301.8	273.2	28.6	9.5
1981				
July	308.2	278.7	29.4	9.6
August	307.0	276.9	30.1	9.8
September	302.6	273.1	29.5	9.7
October	302.2	273.7	28.6	9.4
November	304.6	272.2	32.4	10.6
December	302.7	269.0	33.7	11.1
1982				
January	298.4	264.2	34.2	11.5
February	295.5	260.4	35.1	11.9
March	297.2	261.9	35.3	11.9
April	299.7	265.7	34.0	11.4
May	301.5	270.4	31.1	10.3
June	305.4	269.9	35.4	11.6
July[p]	311.1	273.5	37.6	12.1

CANTON[c]

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
1971	164.9	152.3	12.6	7.6
1972	165.6	155.3	10.3	6.2
1973	171.2	163.1	8.1	4.7
1974	175.6	167.5	8.1	4.6
1975	174.7	158.0	16.7	9.6
1976	174.4	158.6	15.8	9.1
1977	175.9	163.1	12.9	7.3
1978	179.9	170.0	9.9	5.5
1979	184.3	173.7	10.6	5.7
1980	187.7	170.8	16.8	9.0
1981	188.1	170.1	18.0	9.6
1981				
July	193.8	175.5	18.3	9.5
August	191.8	174.4	17.4	9.1
September	189.2	169.1	20.1	10.6
October	187.0	169.5	17.5	9.4
November	188.8	168.9	19.9	10.5
December	187.8	166.2	21.6	11.5
1982				
January	187.7	164.1	23.6	12.6
February	184.6	161.0	23.6	12.8
March	187.3	161.9	25.4	13.6
April	188.5	163.9	24.6	13.1
May	190.3	167.0	23.3	12.2
June	196.5	170.8	25.7	13.1
July[p]	201.6	172.5	29.1	14.4

CINCINNATI[d]

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
1971	550.0	516.0	34.0	6.2
1972	561.0	529.0	32.0	5.7
1973	572.0	543.0	29.0	5.1
1974	595.3	569.8	25.5	4.3
1975	595.3	551.6	43.6	7.3
1976	600.6	562.6	38.0	6.3
1977	618.8	584.4	34.4	5.6
1978	648.3	615.8	32.5	5.0
1979	663.4	628.1	35.3	5.3
1980	676.2	628.6	47.5	7.0
1981	678.6	619.2	59.5	8.8
1981				
July	691.1	628.1	63.0	9.1
August	683.6	624.4	59.1	8.7
September	680.1	616.3	63.8	9.4
October	678.9	616.1	62.7	9.2
November	684.3	617.1	67.2	9.8
December	679.4	611.6	67.8	10.0
1982				
January	665.4	594.4	71.1	10.7
February	657.0	585.6	71.4	10.9
March	664.3	591.2	73.0	11.0
April	669.7	601.4	68.3	10.2
May	675.9	611.2	64.7	9.6
June	696.8	622.8	74.0	10.6
July[p]	696.7	622.7	74.0	10.6

CLEVELAND[e]

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
1971	866.7	811.7	55.0	6.3
1972	873.2	825.2	48.0	5.5
1973	883.9	849.0	34.9	3.9
1974	899.1	861.4	37.7	4.2
1975	896.9	826.3	70.6	7.9
1976	897.7	834.4	63.3	7.0
1977	908.5	854.4	54.0	5.9
1978	921.7	878.5	43.2	4.7
1979	935.8	889.1	46.7	5.0
1980	937.1	869.0	68.2	7.3
1981	929.2	850.8	78.4	8.4
1981				
July	960.4	877.8	82.6	8.6
August	947.5	867.9	79.7	8.4
September	922.4	839.8	82.6	9.0
October	923.6	843.7	79.9	8.7
November	931.4	844.3	87.1	9.4
December	921.1	829.1	92.1	10.0
1982				
January	905.6	821.3	84.4	9.3
February	892.2	809.1	83.0	9.3
March	903.7	811.3	92.5	10.2
April	910.4	821.7	88.6	9.7
May	921.3	834.7	86.5	9.4
June	953.0	849.8	103.2	10.8
July[p]	959.0	856.1	102.9	10.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census (only 1978 - 1982 data in Cincinnati area). [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
July	573.9	528.1	45.8	8.0	July	397.4	362.2	35.2	8.9
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September ..	561.3	511.9	49.4	8.8	September .	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October ...	389.7	356.4	33.3	8.5
November ...	570.6	520.4	50.2	8.8	November ..	393.8	357.1	36.7	9.3
December ...	563.4	514.2	49.2	8.7	December ..	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January ...	389.5	349.7	39.8	10.2
February ...	547.5	498.2	49.4	9.0	February ..	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July[p]	581.8	528.9	52.9	9.1	July[p]	401.3	356.7	44.6	11.1
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
July	374.6	334.4	40.3	10.8	July	237.6	212.2	25.3	10.7
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September ..	365.7	324.9	40.8	11.2	September .	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October ...	230.2	204.9	25.3	11.0
November ...	368.8	326.1	42.6	11.6	November ..	235.0	205.6	29.4	12.5
December ...	365.4	319.9	45.5	12.4	December ..	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January ...	232.6	196.1	36.5	15.7
February ...	355.7	310.0	45.7	12.8	February ..	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July[p]	374.6	327.6	47.0	12.5	July[p]	243.7	199.5	44.3	18.2

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
August ..	5,163	4,676	487	9.4	7.2
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
August ..	4,315.1	1,236.9	3,078.2
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,181.4	1,108.5	3,073.0

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
August ..	32.4	167.2	220.7	231.9	719.5	207.3	864.8	634.3
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	32.0	154.1	214.8	230.3	709.5	208.3	897.9	626.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
August ..	1,236.9	860.2	376.7	851.4	335.3	34.8
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	344.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,108.5	753.0	355.5	738.4	299.1	29.6

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
August ..	393.87	406.72	360.45	40.9	41.0	40.5	9.63	9.92	8.90
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	405.01	415.76	379.89	40.1	39.9	40.5	10.10	10.42	9.38

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
August ..	62.7	139.7	153.9	202.2	103.3	133.8	72.5	66.4	89.0
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.3	113.6	133.5	175.6	94.3	120.7	71.0	62.4	79.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
August ..	353.42	485.48	388.24	393.18	354.24	498.38	361.84	351.16	372.69
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	381.89	492.72	402.16	392.42	362.00	505.82	387.71	350.85	385.56

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	4181.4	4194.7	4315.1	- .3	- 3.1
MANUFACTURING	1108.5	1118.8	1236.9	- .9	- 10.4
Durable Goods[e]	753.0	765.2	860.2	- 1.6	- 12.5
Lumber and wood products	13.1	13.1	14.0	- .2	- 6.1
Furniture and fixtures	13.6	13.3	14.9	2.0	- 8.9
Household furniture	6.3	6.1	7.2	1.8	- 12.6
Stone, clay, and gless products	54.3	55.0	62.7	- 1.2	- 13.4
Glass and glassware, pressed or blown.	13.6	14.1	14.8	- 3.7	- 8.4
Structural clay products	4.7	4.6	6.1	2.5	- 23.5
Pottery and related products	5.9	5.9	7.0	.8	- 15.5
Primary metal industries	113.6	114.2	139.7	- .5	- 18.7
Blast furnace and basic steel products	58.0	57.6	74.5	.6	- 22.2
Iron and steel foundries	23.8	23.6	28.0	.7	- 15.1
Nonferrous rolling and drawing	17.5	18.3	19.2	- 4.4	- 8.7
Nonferrous foundries	8.4	8.6	10.3	- 2.3	- 18.3
Fabricated metal products	133.5	135.3	153.9	- 1.4	- 13.3
Cutlery, hand tools, and hardware	10.6	10.5	12.4	.8	- 14.8
Plumbing and heating, except electric.	4.7	4.6	5.2	1.7	- 10.1
Fabricated structural metal products	33.4	33.4	35.5	- .2	- 6.0
Screw machine products, bolts, etc.	9.3	9.2	10.6	.7	- 12.7
Metal forgings and stampings	35.3	37.4	44.0	- 5.6	- 19.8
Machinery, except electrical	175.6	177.3	202.2	- 1.0	- 13.2
Construction and related machinery	20.4	20.5	25.4	- .4	- 19.5
Metalworking machinery	47.2	46.6	54.1	1.4	- 12.7
Special industry machinery	19.3	19.4	21.5	- .4	- 10.2
General industrial machinery	32.9	34.5	38.9	- 4.6	- 15.3
Electric and electronic equipment	94.3	95.3	103.3	- 1.0	- 8.7
Electrical industrial apparatus	20.2	20.5	23.9	- 1.4	- 15.5
Household appliances	16.0	16.5	18.6	- 2.9	- 14.0
Electric lighting and wiring equipment	18.9	19.2	20.1	- 1.4	- 5.9
Communication equipment	12.0	12.2	11.6	- 1.3	3.7
Transportation equipment	120.7	127.9	133.8	- 5.6	- 9.7
Motor vehicles and equipment	74.3	81.8	88.5	- 9.1	- 16.0
Aircraft and parts	37.4	37.4	36.1	.0	3.6
Instruments and related products	20.4	20.2	22.0	.7	- 7.5
Measuring and controlling devices	12.0	11.9	13.6	1.0	- 12.0
Nondurable Goods[f]	355.5	353.6	376.7	.5	- 5.6
Food and kindred products	71.0	68.6	72.5	3.5	- 2.1
Meat products	11.2	11.3	11.8	- .9	- 5.0
Dairy products	11.3	11.3	11.9	- .5	- 5.4
Bakery products	11.4	11.4	11.6	- .2	- 1.5
Beverages	10.9	10.5	11.2	4.0	- 2.1
Textile mill products	4.5	4.4	4.8	2.0	- 6.5
Apparel and other textile products	16.7	16.7	17.1	- .2	- 2.6
Paper and allied products	34.8	34.9	38.1	- .3	- 8.6
Paper mills, except building paper	8.9	8.8	9.9	.4	- 10.7
Misc. converted paper products	11.1	11.3	11.7	- 1.2	- 5.2
Paperboard containers and boxes	11.5	11.5	12.9	.0	- 10.8
Printing and publishing	62.4	62.7	66.4	- .5	- 5.9
Newspapers	18.2	18.4	19.6	- .8	- 7.2
Commercial printing	22.7	22.8	25.3	- .4	- 10.1
Chemicals and allied products	67.3	66.9	68.6	.6	- 1.9
Industrial inorganic chemicals	12.9	12.7	12.9	1.2	- .4
Plastics materials and synthetics	9.3	9.2	9.8	1.4	- 5.5
Petroleum and coal products	13.6	13.6	14.5	.1	- 5.9
Rubber and misc. plastics products	79.7	80.3	89.0	- .8	- 10.5
Tires and inner tubes	21.6	21.3	24.4	1.2	- 11.5
Miscellaneous plastics products	39.0	39.7	43.7	- 1.7	- 10.7
Leather and leather products	5.3	5.3	5.5	.2	- 3.8

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$405.01	$407.82	$393.87	40.1	40.1	40.9	$10.10	$10.17	$ 9.63
Durable Goods[d]	415.76	419.60	406.72	39.9	40.0	41.0	10.42	10.49	9.92
Lumber and wood products	287.73	281.78	258.72	39.2	38.6	39.2	7.34	7.30	6.60
Furniture and fixtures	311.95	288.42	274.00	40.2	38.0	38.7	7.76	7.59	7.08
Household furniture	267.63	253.55	241.04	38.9	37.9	37.9	6.88	6.69	6.36
Stone, clay, and glass products	381.89	380.14	353.42	40.8	40.7	41.0	9.36	9.34	8.62
Glass and glassware, pressed or blown.	372.45	380.63	363.41	38.2	38.8	40.2	9.75	9.81	9.04
Structural clay products	293.23	282.21	276.76	41.3	40.9	40.7	7.10	6.90	6.80
Pottery and related products	300.51	287.79	277.02	37.8	36.2	38.0	7.95	7.95	7.29
Primary metal industries	492.72	488.71	485.48	39.8	39.7	40.9	12.38	12.31	11.87
Blast furnace and basic steel products	515.52	510.13	528.61	38.5	38.5	40.6	13.39	13.25	13.02
Iron and steel foundries	499.23	483.39	440.08	42.2	41.0	41.4	11.83	11.79	10.63
Nonferrous rolling and drawing	477.10	480.98	470.00	39.3	39.2	40.0	12.14	12.27	11.75
Nonferrous foundries	355.78	358.18	327.98	40.8	41.6	39.9	8.72	8.61	8.22
Fabricated metal products	402.16	405.73	388.24	39.7	39.7	40.4	10.13	10.22	9.61
Cutlery, hand tools, and hardware	381.21	392.16	386.86	37.3	38.0	39.8	10.22	10.32	9.72
Plumbing and heating, except electric.	343.66	333.23	316.72	38.7	37.4	37.0	8.88	8.91	8.56
Fabricated structural metal products .	382.08	364.95	341.82	39.8	39.2	39.2	9.60	9.31	8.72
Screw machine products, bolts, etc. ..	341.33	330.37	361.49	38.7	37.8	40.3	8.82	8.74	8.97
Metal forgings and stampings	471.11	497.67	470.91	40.3	41.3	41.6	11.69	12.05	11.32
Machinery, except electrical	392.42	390.04	393.18	39.4	39.2	41.3	9.96	9.95	9.52
Construction and related machinery ...	391.30	374.74	383.13	38.4	37.7	40.5	10.19	9.94	9.46
Metalworking machinery	375.67	373.38	384.87	38.1	38.1	40.9	9.86	9.80	9.41
Special industry machinery	377.06	384.81	377.92	40.5	41.2	42.8	9.31	9.34	8.83
General industrial machinery	389.44	380.85	385.12	39.1	38.2	40.2	9.96	9.97	9.58
Electric and electronic equipment	362.00	358.75	354.24	38.8	38.7	40.3	9.33	9.27	8.79
Electrical industrial apparatus	336.38	342.85	365.37	37.5	37.8	41.9	8.97	9.07	8.72
Household appliances	358.53	353.25	345.54	37.9	37.5	39.0	9.46	9.42	8.86
Electric lighting and wiring equipment	361.60	355.39	328.40	40.0	39.4	40.0	9.04	9.02	8.21
Communication equipment	407.51	397.79	403.79	38.3	39.7	39.9	10.64	10.02	10.12
Transportation equipment	505.82	528.24	498.38	41.7	42.6	43.3	12.13	12.40	11.51
Motor vehicles and equipment	528.36	558.14	532.36	41.9	43.3	44.4	12.61	12.89	11.99
Aircraft and parts	465.66	452.97	413.88	41.1	40.3	40.3	11.33	11.24	10.27
Instruments and related products	279.85	282.85	270.18	38.6	38.8	39.5	7.25	7.29	6.84
Measuring and controlling devices	270.07	271.94	275.31	37.2	37.1	39.9	7.26	7.33	6.90
Nondurable Goods[e]	379.89	379.22	360.45	40.5	40.3	40.5	9.38	9.41	8.90
Food and kindred products	387.71	385.02	361.84	41.6	40.7	41.4	9.32	9.46	8.74
Meat products	421.87	413.03	406.13	40.8	40.1	41.4	10.34	10.30	9.81
Dairy products	399.13	388.89	340.65	44.2	43.5	41.9	9.03	8.94	8.13
Bakery products	372.45	372.96	360.80	39.0	39.3	41.0	9.55	9.49	8.80
Beverages	348.77	324.26	320.00	39.1	37.4	39.9	8.92	8.67	8.02
Textile mill products	257.18	254.93	269.47	38.1	37.6	40.1	6.75	6.78	6.72
Apparel and other textile products	220.55	216.75	204.59	37.7	36.8	36.6	5.85	5.89	5.59
Paper and allied products	394.19	394.94	383.21	42.8	43.4	44.2	9.21	9.10	8.67
Paper mills, except building paper ...	491.04	511.24	475.71	46.5	49.3	48.1	10.56	10.37	9.89
Misc. converted paper products	350.24	347.75	329.43	41.4	41.3	41.7	8.46	8.42	7.90
Paperboard containers and boxes	355.01	353.56	345.02	40.9	41.4	42.7	8.68	8.54	8.08
Printing and publishing	350.85	351.50	351.16	36.7	37.0	37.8	9.56	9.50	9.29
Newspapers	308.07	305.66	323.57	30.9	31.0	33.6	9.97	9.86	9.63
Commercial printing	361.57	369.76	374.19	37.9	38.8	39.1	9.54	9.53	9.57
Chemicals and allied products	418.81	422.09	381.10	41.1	41.3	40.2	10.19	10.22	9.48
Industrial inorganic chemicals	443.56	447.62	435.55	41.3	41.6	41.6	10.74	10.76	10.47
Plastics materials and synthetics	464.09	464.28	393.41	43.7	43.8	39.9	10.62	10.60	9.86
Petroleum and coal products	580.80	563.76	527.54	44.1	43.2	43.1	13.17	13.05	12.24
Rubber and misc. plastics products	385.56	385.70	372.69	40.8	40.6	41.0	9.45	9.50	9.09
Tires and inner tubes	516.43	505.82	524.18	42.4	41.7	43.5	12.18	12.13	12.05
Miscellaneous plastics products	364.97	371.73	354.97	39.8	40.1	40.2	9.17	9.27	8.83
Leather and leather products	197.55	192.70	179.52	37.7	37.2	35.2	5.24	5.18	5.10

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
NONMANUFACTURING	3073.0	3075.9	3078.2	- .1	- .2
MINING	32.0	32.8	32.4	- 2.4	- 1.2
Bituminous coal and lignite mining	12.8	13.9	14.1	- 7.7	- 9.2
CONSTRUCTION	154.1	152.4	167.2	1.2	- 7.8
General building contractors	36.5	36.5	39.8	.1	- 8.2
Heavy construction contractors	26.1	25.4	28.4	2.4	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	214.8	215.0	220.7	- .1	- 2.7
Railroad transportation	24.0	24.0	26.8	.0	- 10.5
Transportation, except railroads	94.5	94.6	96.7	- .1	- 2.2
Trucking and warehousing	70.2	70.2	72.2	.0	- 2.7
Communication, electric, gas services	96.3	96.4	97.3	- .1	- 1.0
Communication	54.4	54.4	55.7	.0	- 2.4
Electric, gas, and sanitary services	41.9	42.0	41.6	- .2	.9
WHOLESALE TRADE	230.3	230.5	231.9	- .1	- .7
Wholesale trade-durable goods	148.0	148.2	149.7	- .1	- 1.1
Motor vehicles & automotive equipment	20.7	20.7	21.3	.2	- 2.5
Electrical goods	19.2	19.3	19.4	- .4	- .9
Machinery, equipment, and supplies	62.2	62.4	62.4	- .3	- .3
Wholesale trade-nondurable goods	82.2	82.3	82.3	- .1	.0
Groceries and related products	24.5	24.5	24.2	.2	1.5
RETAIL TRADE	709.5	707.4	719.5	.3	- 1.4
General merchandise stores	109.4	109.3	116.7	.1	- 6.2
Department stores	99.8	99.7	106.5	.1	- 6.3
Food stores	116.9	116.8	117.5	.1	- .5
Automotive dealers & service stations	70.7	70.7	73.8	.0	- 4.2
Apparel and accessory stores	34.6	34.1	34.8	1.4	- .7
FINANCE, INSURANCE, AND REAL ESTATE	208.3	208.6	207.3	- .1	.5
Banking	59.4	59.7	59.8	- .4	- .5
Credit agencies other than banks	30.9	30.9	30.4	.0	1.7
Insurance carriers	59.0	59.1	59.1	- .2	- .1
SERVICES	897.9	896.1	864.8	.2	3.8
Hotels and other lodging places	34.5	34.2	33.8	.9	1.9
Laundry, cleaning, & garment services	17.2	17.3	17.4	- .6	- 1.1
Business services	133.6	132.7	128.9	.7	3.6
Health services	318.1	316.9	301.2	.4	5.6
Hospitals	175.7	175.2	167.6	.3	4.9
GOVERNMENT	626.1	633.2	634.3	- 1.1	- 1.3
Federal government	89.8	90.2	90.0	- .4	- .2
State government	122.7	125.1	123.4	- 1.9	- .6
State government, except education	72.0	72.0	73.2	.0	- 1.6
State government education[i]	50.7	53.1	50.3	- 4.5	.8
Local government	413.5	417.9	420.9	- 1.1	- 1.7
Local government, except education	197.0	198.6	197.5	- .8	- .3
Local government education	216.6	219.3	223.4	- 1.3	- 3.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
AUGUST 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$430.96	$445.98	$437.47	41.8	42.8	43.4	$10.31	$10.42	$10.08
Bituminous coal and lignite mining	515.84	525.57	516.67	40.3	40.9	41.4	12.80	12.85	12.48
CONSTRUCTION	557.21	554.15	522.73	37.7	37.8	38.1	14.78	14.66	13.72
General building contractors	501.22	498.39	477.28	37.1	37.0	37.2	13.51	13.47	12.83
Heavy construction contractors	588.16	593.60	530.92	39.5	40.0	40.1	14.89	14.84	13.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	453.33	453.70	451.06	36.5	36.5	38.0	12.42	12.43	11.87
Communication, electric, gas services	422.80	419.85	414.73	40.0	40.1	40.3	10.57	10.47	10.14
Communication	410.15	404.00	418.40	39.4	39.3	40.7	10.41	10.28	10.28
Electric, gas, and sanitary services	439.82	440.18	409.36	40.8	41.1	41.1	10.78	10.71	9.96
WHOLESALE TRADE	309.57	313.17	300.29	38.6	39.0	39.1	8.02	8.03	7.68
Wholesale trade-durable goods	304.20	305.37	297.00	38.9	39.1	39.6	7.82	7.81	7.50
Motor vehicles & automotive equipment	268.71	259.01	277.14	39.4	38.6	39.2	6.82	6.71	7.07
Electrical goods	246.52	252.89	247.13	36.2	37.3	37.5	6.81	6.78	6.59
Machinery, equipment, and supplies	330.33	333.66	308.50	39.0	39.3	39.4	8.47	8.49	7.83
Wholesale trade-nondurable goods	320.04	328.71	306.02	38.1	38.9	38.3	8.40	8.45	7.99
Groceries and related products	352.29	361.05	347.32	40.4	41.5	41.2	8.72	8.70	8.43
RETAIL TRADE[f]	154.88	155.70	151.17	29.5	29.6	29.7	5.25	5.26	5.09
General merchandise stores	160.04	159.52	154.13	30.6	30.5	30.4	5.23	5.23	5.07
Department stores	162.93	161.87	156.16	30.8	30.6	30.5	5.29	5.29	5.12
Food stores	224.82	227.29	231.04	31.4	31.7	33.1	7.16	7.17	6.98
Automotive dealers & service stations	198.52	199.09	199.28	36.9	36.8	37.6	5.38	5.41	5.30
Apparel and accessory stores	113.13	114.11	110.84	27.0	27.3	27.1	4.19	4.18	4.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	203.74	203.36	186.56	....	....	....	....	....	....
Credit agencies other than banks	203.12	201.59	193.74	....	....	....	....	....	....
Insurance carriers	275.50	275.04	254.22	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	267.10	268.57	242.76	34.2	34.3	34.0	7.81	7.83	7.14
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	251.3	251.0	257.3	.1	- 2.3
MANUFACTURING	69.2	69.4	75.5	- .3	- 8.4
Durable Goods[e]	34.2	34.3	37.5	- .2	- 8.8
Stone, clay, and glass products	1.5	1.5	1.9	.3	- 21.4
Fabricated metal products	12.8	13.0	14.4	- 1.7	- 11.3
Machinery, except electrical	9.3	9.2	10.5	.9	- 11.5
Special industry machinery	1.7	1.8	2.1	- 7.0	- 20.2
Nondurable Goods[f]	34.9	35.1	38.0	- .4	- 8.0
Food and kindred products	2.8	2.7	3.0	1.8	- 7.9
Chemicals and allied products	3.6	3.7	3.6	- .7	1.5
Rubber and misc. plastics products	23.6	23.7	26.2	- .3	- 9.8
Tires and inner tubes	17.6	17.7	20.0	- .4	- 12.1
NONMANUFACTURING[g]	182.2	181.7	181.8	.3	.2
CONSTRUCTION	8.0	7.9	8.6	1.0	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	13.7	13.6	13.9	.0	- 1.8
Communication, electric, gas services	5.6	5.6	5.5	- .2	1.2
WHOLESALE TRADE	12.4	12.4	12.1	.5	3.2
RETAIL TRADE	45.9	45.7	45.8	.5	.3
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	- .2	.0
SERVICES	55.2	55.0	53.9	.3	2.4
GOVERNMENT	37.0	37.0	37.6	.1	- 1.6
State government (includes education)	9.8	9.7	9.6	.6	1.1
Local government (includes education)	25.2	25.2	25.8	- .1	- 2.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.47	$396.88	$400.32	40.8	41.0	41.7	$ 9.84	$ 9.68	$ 9.60
Durable Goods[d]	392.93	386.92	373.93	40.3	40.6	40.6	9.75	9.53	9.21
Stone, clay, and glass products	385.53	375.00	366.33	42.6	41.3	41.3	9.05	9.08	8.87
Fabricated metal products	392.89	393.29	364.03	38.9	39.8	38.4	10.10	9.88	9.48
Machinery, except electrical	383.87	367.61	381.89	41.1	40.8	43.2	9.34	9.01	8.84
Special industry machinery	344.08	343.42	365.43	39.1	38.5	43.4	8.80	8.92	8.42
Nondurable Goods[e]	412.76	409.61	432.29	41.4	41.5	43.1	9.97	9.87	10.03
Food and kindred products	437.47	436.95	389.42	45.1	45.0	45.6	9.70	9.71	8.54
Chemicals and allied products	432.90	434.10	438.50	42.4	41.7	45.3	10.21	10.41	9.68
Rubber and misc. plastics products	427.01	426.96	459.80	41.7	41.9	43.5	10.24	10.19	10.57
Tires and inner tubes	546.08	538.45	560.33	43.1	42.7	44.4	12.67	12.61	12.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	520.86	516.00	531.19	36.5	36.7	39.7	14.27	14.06	13.38
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	420.55	422.01	416.16	39.6	39.7	40.8	10.62	10.63	10.20
WHOLESALE TRADE	290.12	284.47	274.05	39.1	39.4	37.8	7.42	7.22	7.25
RETAIL TRADE[f]	171.84	170.37	168.17	30.2	30.1	30.8	5.69	5.66	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	153.7	155.0	158.7	- .9	- 3.2
MANUFACTURING	50.6	51.7	56.4	- 2.0	- 10.2
Durable Goods[e]	38.6	39.7	44.1	- 2.7	- 12.3
Stone, clay, and glass products	2.0	2.0	2.2	.4	- 6.6
Primary metal industries	11.9	11.7	15.0	2.3	- 20.4
Fabricated metal products	9.2	9.3	10.0	- 1.1	- 7.6
Fabricated structural metal products	3.5	3.4	3.3	2.5	5.2
Metal forgings and stampings	2.3	2.5	3.0	- 5.3	- 22.1
Nondurable Goods[f]	12.0	12.0	12.3	.1	- 2.7
Food and kindred products	4.2	4.3	4.4	- .6	- 2.7
Rubber and misc. plastics products	3.2	3.2	3.2	- .3	- .9
NONMANUFACTURING[g]	103.1	103.4	102.3	- .3	.7
CONSTRUCTION	5.4	5.8	5.8	- 7.2	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.1	.4	- .5
Communication, electric, gas services	3.0	3.0	3.0	- .1	- .1
WHOLESALE TRADE	7.4	7.3	7.3	.3	.1
RETAIL TRADE	26.3	26.2	26.3	.3	.0
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	2.5
SERVICES	31.0	31.0	30.1	.1	3.0
GOVERNMENT	18.1	18.1	18.0	- .4	.4
Local government (includes education)	15.1	15.2	14.9	- .5	1.3

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.58	$391.79	$387.29	39.0	38.6	39.6	$10.22	$10.15	$ 9.78
Durable Goods[d]	403.76	395.75	393.03	38.6	38.2	39.5	10.46	10.36	9.95
Stone, clay, and glass products	252.06	256.23	259.43	38.6	39.0	40.6	6.53	6.57	6.39
Primary metal industries	459.54	444.68	452.80	37.3	36.3	38.9	12.32	12.25	11.64
Fabricated metal products	437.78	424.39	407.23	40.8	39.7	40.4	10.73	10.69	10.08
Fabricated structural metal products	430.10	413.00	366.20	42.5	41.3	41.1	10.12	10.00	8.91
Metal forgings and stampings	515.30	477.87	495.87	40.8	38.6	41.6	12.63	12.38	11.92
Nondurable Goods[e]	375.74	377.48	360.87	40.1	40.2	39.7	9.37	9.39	9.09
Food and kindred products	408.38	410.18	397.55	37.5	37.7	38.3	10.89	10.88	10.38
Rubber and misc. plastics products	408.32	405.17	384.79	46.4	46.2	44.9	8.80	8.77	8.57
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	536.51	540.96	544.96	36.3	36.7	40.1	14.78	14.74	13.59
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.90	436.81	435.14	40.8	40.9	41.6	10.88	10.68	10.46
WHOLESALE TRADE	293.73	294.52	282.80	37.9	38.2	38.9	7.75	7.71	7.27
RETAIL TRADE[f]	151.77	152.28	144.85	29.7	29.8	29.5	5.11	5.11	4.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	581.6	581.7	589.2	.0	- 1.3
MANUFACTURING	149.9	149.3	158.3	.4	- 5.3
Durable Goods[e]	82.4	82.5	88.2	- .1	- 6.5
Furniture and fixtures	2.2	2.2	2.5	.5	- 10.4
Primary metal industries	2.2	2.3	2.6	- 2.2	- 14.0
Fabricated metal products	12.7	12.6	14.7	.4	- 13.5
Fabricated structural metal products	4.3	4.4	4.7	- 2.3	- 8.6
Machinery, except electrical	23.3	22.7	25.5	3.0	- 8.7
Metalworking machinery	12.1	11.3	13.5	7.2	- 10.3
General industrial machinery	3.3	3.4	3.8	- 2.9	- 13.4
Electric and electronic equipment	8.1	8.0	8.9	.7	- 8.6
Transportation equipment	22.8	23.9	23.2	- 4.4	- 1.6
Motor vehicles and equipment	8.0	9.0	7.1	- 11.7	12.6
Nondurable Goods[f]	67.5	66.8	70.2	1.0	- 3.8
Food and kindred products	16.2	15.8	17.0	2.0	- 4.8
Meat products	2.2	2.3	2.6	- 2.4	- 14.7
Bakery products	2.5	2.5	2.4	- .1	1.4
Beverages	4.9	4.5	5.0	9.1	- 2.8
Apparel and other textile products	4.1	3.9	4.0	5.7	3.3
Paper and allied products	5.9	5.9	6.4	- .9	- 8.5
Printing and publishing	11.4	11.5	11.8	- .6	- 3.4
Chemicals and allied products	22.3	22.1	22.4	.9	- .6
Rubber and misc. plastics products	3.9	3.8	4.4	1.1	- 11.2
NONMANUFACTURING[g]	431.7	432.4	430.9	- .1	.2
CONSTRUCTION	22.2	21.5	23.7	3.3	- 6.4
TRANSPORTATION AND PUBLIC UTILITIES	32.7	32.8	33.3	- .2	- 1.6
Communication, electric, gas services	14.5	14.5	14.4	.1	.8
WHOLESALE TRADE	37.5	37.6	38.0	- .4	- 1.2
RETAIL TRADE	100.1	100.0	101.5	.1	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	32.5	32.5	32.8	- .1	- 1.0
Banking	7.4	7.5	7.6	- .4	- 1.6
Insurance carriers	11.3	11.3	11.4	.3	- .3
SERVICES	131.1	130.7	126.2	.3	3.9
GOVERNMENT	75.3	76.9	75.2	- 2.1	.1
Federal government	12.8	13.0	12.9	- 1.5	- .3
State government (includes education)	16.4	16.5	16.4	- .3	- .2
Local government	46.0	47.4	45.9	- 2.9	.3
Local government, except education	22.5	23.0	22.5	- 1.9	.1
Local government education	23.5	24.4	23.4	- 3.7	.4

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$331.53	$339.46	$357.28	40.7	40.4	40.6	$ 9.62	$ 9.64	$ 8.80
Durable Goods[d]	380.29	382.96	350.02	40.2	40.1	40.7	9.46	9.55	8.60
Furniture and fixtures	263.52	255.60	251.46	36.6	35.5	37.7	7.20	7.20	6.67
Primary metal industries	328.79	332.05	339.56	34.5	35.1	36.2	9.53	9.46	9.38
Fabricated metal products	374.22	355.12	346.51	42.0	40.4	41.3	8.91	8.79	8.39
Fabricated structural metal products	355.71	342.36	315.44	42.6	41.7	42.8	8.35	8.21	7.37
Machinery, except electrical	329.18	331.68	324.30	38.1	38.3	39.5	8.64	8.66	8.21
Metalworking machinery	341.89	373.65	350.95	35.8	38.6	39.3	9.55	9.68	8.93
General industrial machinery	315.47	306.45	340.31	38.1	36.7	41.4	8.28	8.35	8.22
Electric and electronic equipment	278.89	287.34	265.28	38.1	39.2	39.3	7.32	7.33	6.75
Transportation equipment	551.17	552.44	489.77	42.3	42.3	43.0	13.03	13.06	11.39
Motor vehicles and equipment	652.62	653.05	607.67	44.7	45.1	47.4	14.60	14.48	12.82
Nondurable Goods[e]	401.96	397.39	366.12	41.1	40.8	40.5	9.78	9.74	9.04
Food and kindred products	459.73	457.29	414.92	42.1	41.8	41.0	10.92	10.94	10.12
Meat products	491.95	454.02	435.01	44.4	42.0	41.0	11.08	10.81	10.61
Bakery products	333.80	386.63	390.63	40.7	41.0	43.5	9.43	9.43	8.98
Beverages	444.27	428.56	370.80	43.9	42.6	39.7	10.12	10.06	9.34
Apparel and other textile products	231.49	219.84	208.05	40.9	38.3	38.6	5.66	5.74	5.39
Paper and allied products	362.46	349.87	330.30	42.0	41.8	41.6	8.63	8.37	7.94
Printing and publishing	376.49	361.92	364.10	38.3	37.7	38.9	9.83	9.60	9.36
Chemicals and allied products	448.93	448.69	399.27	41.3	41.7	40.7	10.87	10.76	9.81
Rubber and misc. plastics products	327.78	326.23	329.51	43.3	41.4	43.3	7.57	7.88	7.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.52	560.50	537.81	37.3	38.0	39.0	14.92	14.75	13.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	407.51	393.67	384.35	38.7	38.9	39.3	10.53	10.12	9.78
WHOLESALE TRADE	310.66	317.54	295.57	38.4	39.3	39.2	8.09	8.08	7.54
RETAIL TRADE[f]	157.17	157.59	153.31	30.4	30.6	30.6	5.17	5.15	5.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	201.23	199.94	191.33	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	857.6	861.6	884.3	- .5	- 3.0
MANUFACTURING	226.5	228.9	247.8	- 1.1	- 8.6
Durable Goods[e]	160.1	162.8	179.9	- 1.6	- 11.0
Furniture and fixtures	2.2	2.1	2.2	4.9	2.6
Primary metal industries	26.6	27.0	30.0	- 1.5	- 11.4
Blast furnace and basic steel products	14.0	14.2	15.9	- 1.3	- 11.9
Iron and steel foundries	6.6	6.6	7.0	- .1	- 5.6
Nonferrous foundries	2.6	2.8	3.0	- 7.2	- 13.3
Fabricated metal products	35.0	35.6	39.3	- 1.5	- 10.8
Fabricated structural metal products	4.2	4.2	4.6	.0	- 9.9
Screw machine products, bolts, etc.	5.5	5.5	5.8	- .3	- 5.7
Metal forgings and stampings	11.8	12.4	13.5	- 5.3	- 12.7
Machinery, except electrical	38.1	38.3	45.1	- .7	- 15.5
Construction and related machinery	5.5	5.5	7.7	- .1	- 27.9
Metalworking machinery	13.8	13.9	16.1	- .7	- 14.4
Special industry machinery	4.3	4.3	4.6	.6	- 7.4
General industrial machinery	3.0	3.1	3.6	- 2.1	- 17.2
Electric and electronic equipment	24.1	24.2	24.7	- .4	- 2.6
Electrical industrial apparatus	8.2	8.2	9.1	- .7	- 9.9
Transportation equipment	19.2	20.6	22.7	- 6.7	- 15.2
Motor vehicles and equipment	12.4	13.7	15.2	- 8.9	- 18.0
Instruments and related products	6.3	6.3	6.8	.4	- 6.1
Nondurable Goods[f]	66.3	66.2	67.9	.2	- 2.3
Food and kindred products	8.2	8.2	8.5	.2	- 3.6
Bakery products	1.8	1.8	1.8	.4	- .2
Beverages	1.6	1.6	1.6	.6	- 1.7
Apparel and other textile products	5.1	5.2	5.5	- 1.6	- 6.2
Paper and allied products	4.8	4.8	5.1	- .2	- 4.6
Printing and publishing	14.9	14.8	15.5	.4	- 3.7
Chemicals and allied products	15.7	15.7	16.4	- .1	- 4.1
Industrial inorganic chemicals	4.0	4.0	4.2	.4	- 5.3
Rubber and misc. plastics products	10.9	10.8	10.6	1.1	2.4
NONMANUFACTURING[g]	631.2	632.7	636.5	- .2	- .8
CONSTRUCTION	27.3	27.5	29.3	- .7	- 6.8
TRANSPORTATION AND PUBLIC UTILITIES	44.6	44.7	45.8	- .3	- 2.6
Communication, electric, gas services	20.1	20.1	20.1	.2	.1
WHOLESALE TRADE	61.1	61.3	62.4	- .3	- 2.1
RETAIL TRADE	134.4	134.5	137.1	- .1	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	48.4	48.3	48.5	.0	- .4
Banking	13.6	13.6	13.9	- .1	- 2.1
Insurance carriers	11.8	11.8	12.0	.0	- 1.6
SERVICES	197.5	197.3	192.3	.1	2.7
GOVERNMENT	116.7	117.9	119.8	- 1.1	- 2.6
Federal government	19.3	19.4	19.7	- .5	- 1.9
State government (includes education)	7.1	7.2	7.4	- 1.9	- 4.5
Local government	90.2	91.2	92.7	- 1.1	- 2.7
Local government, except education	50.5	50.8	50.6	- .7	- .1
Local government education	39.7	40.4	42.1	- 1.7	- 5.7

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]

AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.05	$408.80	$399.49	40.3	40.0	41.1	$10.15	$10.22	$ 9.72
Durable Goods[d]	430.26	431.35	420.16	40.4	40.2	41.6	10.65	10.73	10.10
Furniture and fixtures	327.44	282.72	317.12	41.5	37.2	43.5	7.89	7.60	7.29
Primary metal industries	521.56	505.85	492.90	41.1	40.5	42.2	12.69	12.49	11.68
Blast furnace and basic steel products	506.47	491.95	544.32	37.6	37.1	42.0	13.47	13.26	12.96
Iron and steel foundries	676.32	652.86	542.50	48.0	46.5	43.4	14.09	14.04	12.50
Nonferrous foundries	339.00	339.73	294.26	39.1	40.3	36.6	8.67	8.43	8.04
Fabricated metal products	414.32	438.05	403.91	40.5	41.6	41.3	10.23	10.53	9.78
Fabricated structural metal products	349.29	362.06	333.73	40.9	42.1	41.1	8.54	8.60	8.12
Screw machine products, bolts, etc.	349.30	343.14	377.31	38.3	38.0	41.6	9.12	9.03	9.07
Metal forgings and stampings	517.07	567.53	491.82	41.8	44.2	42.0	12.37	12.84	11.71
Machinery, except electrical	404.69	397.32	425.94	39.1	38.5	41.8	10.35	10.32	10.19
Construction and related machinery	436.85	398.13	438.69	38.9	35.9	39.7	11.23	11.09	11.05
Metalworking machinery	379.51	379.76	418.06	37.8	37.9	42.4	10.04	10.02	9.86
Special industry machinery	425.02	421.50	395.58	39.1	39.1	39.4	10.87	10.78	10.04
General industrial machinery	385.32	383.17	406.85	39.0	38.9	41.9	9.88	9.85	9.71
Electric and electronic equipment	346.37	335.79	366.72	38.7	37.9	42.2	8.95	8.86	8.69
Electrical industrial apparatus	334.65	327.52	407.16	36.1	35.6	43.5	9.27	9.20	9.36
Transportation equipment	532.88	532.95	464.62	43.5	42.5	40.9	12.25	12.54	11.36
Motor vehicles and equipment	567.60	563.21	471.98	44.0	42.7	40.1	12.90	13.19	11.77
Instruments and related products	321.59	322.80	299.39	40.3	40.4	40.9	7.98	7.99	7.32
Nondurable Goods[e]	347.85	348.17	334.62	39.8	39.7	39.6	8.74	8.77	8.45
Food and kindred products	386.48	384.30	341.50	42.8	42.7	40.8	9.03	9.00	8.37
Bakery products	393.60	397.44	348.17	41.0	41.4	38.6	9.60	9.60	9.02
Beverages	318.80	309.66	298.26	40.0	39.0	39.4	7.97	7.94	7.57
Apparel and other textile products	241.63	246.79	230.21	36.5	37.0	36.6	6.62	6.67	6.29
Paper and allied products	365.16	361.30	351.53	40.8	40.1	42.2	8.95	9.01	8.33
Printing and publishing	354.40	358.54	355.72	36.2	36.4	36.9	9.79	9.85	9.64
Chemicals and allied products	414.88	416.97	391.55	41.2	41.0	41.0	10.07	10.17	9.55
Industrial inorganic chemicals	405.27	410.17	406.13	39.5	39.9	39.7	10.26	10.28	10.23
Rubber and misc. plastics products	311.22	305.62	297.86	42.0	41.3	41.6	7.41	7.40	7.16
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	644.67	618.22	565.86	39.0	37.4	37.4	16.53	16.53	15.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	448.08	445.68	450.17	39.9	39.9	41.3	11.23	11.17	10.90
WHOLESALE TRADE	334.38	332.81	319.51	39.2	39.2	39.3	8.53	8.49	8.13
RETAIL TRADE[f]	166.73	171.37	157.51	29.2	29.7	28.9	5.71	5.77	5.45
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	233.09	233.77	215.04	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]

AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	502.8	501.6	504.6	.2	-.4
MANUFACTURING	88.1	88.3	92.7	-.2	-5.0
Durable Goods[e]	55.2	55.4	59.1	-.3	-6.5
Stone, clay, and glass products	8.9	9.1	9.8	-2.1	-9.0
Fabricated metal products	8.9	8.9	11.0	-.5	-19.3
Machinery, except electrical	10.6	10.6	11.9	-.1	-11.1
Electric and electronic equipment	11.5	11.6	11.8	-.6	-2.1
Transportation equipment	6.7	6.5	5.6	3.1	18.6
Nondurable Goods[f]	32.9	32.9	33.6	-.1	-2.2
Food and kindred products	10.9	10.9	10.6	-.5	2.9
Printing and publishing	8.4	8.4	8.5	.0	-1.5
Chemicals and allied products	6.0	6.0	5.9	-.1	1.8
Rubber and misc. plastics products	2.6	2.7	3.2	-.4	-18.2
NONMANUFACTURING[g]	414.6	413.3	411.9	.3	.7
CONSTRUCTION	18.1	17.7	19.5	2.4	-7.0
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.7	24.6	.3	-3.4
Communication, electric, gas services	11.3	11.3	11.6	.0	-2.5
WHOLESALE TRADE	27.7	27.7	27.4	.2	1.2
RETAIL TRADE	93.4	92.5	92.6	.9	.9
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.6	39.8	-.1	4.3
Banking	8.2	8.2	7.9	-.2	4.1
Insurance carriers	18.0	18.0	17.3	-.2	3.7
SERVICES	113.9	113.6	109.7	.3	3.8
GOVERNMENT	95.4	95.7	97.5	-.3	-2.2
Federal government	11.3	11.5	11.5	-1.7	-1.9
State government	44.1	44.2	45.1	-.3	-2.2
State government, except education	28.9	28.9	29.3	.1	-1.4
State government education[i]	15.2	15.3	15.8	-1.0	-3.7
Local government	40.0	40.0	40.9	.0	-2.2
Local government, except education	19.4	19.6	19.8	-1.0	-2.1
Local government education	20.6	20.3	21.0	1.1	-2.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$373.97	$369.18	$351.88	39.7	39.4	40.4	$ 9.42	$ 9.37	$ 8.71
Durable Goods[d]	387.87	381.79	365.72	39.7	39.4	40.5	9.77	9.69	9.03
Stone, clay, and glass products	347.79	358.02	346.04	38.6	39.0	41.0	9.01	9.18	8.44
Fabricated metal products	438.01	442.91	398.34	38.9	39.3	38.9	11.26	11.27	10.24
Machinery, except electrical	373.11	362.69	356.15	40.6	39.9	41.9	9.19	9.09	8.50
Electric and electronic equipment	385.52	378.28	368.96	40.2	40.2	40.5	9.59	9.41	9.11
Transportation equipment	480.22	465.78	397.99	42.8	42.0	41.5	11.22	11.09	9.59
Nondurable Goods[e]	347.85	344.36	322.40	39.8	39.4	40.0	8.74	8.74	8.06
Food and kindred products	346.45	345.63	319.76	41.0	41.0	41.1	8.45	8.43	7.78
Printing and publishing	398.11	335.39	360.79	37.7	37.8	37.7	10.56	10.46	9.57
Chemicals and allied products	385.82	391.68	359.31	40.4	41.1	40.6	9.55	9.53	8.85
Rubber and misc. plastics products	324.10	302.25	284.86	42.2	39.0	39.4	7.68	7.75	7.23
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	498.18	493.01	468.55	38.0	38.1	38.5	13.11	12.94	12.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	426.60	428.47	440.18	39.5	39.6	41.1	10.80	10.82	10.71
WHOLESALE TRADE	298.38	304.20	290.60	38.7	39.1	39.7	7.71	7.78	7.32
RETAIL TRADE[f]	154.28	153.99	143.18	29.0	29.0	29.4	5.32	5.31	4.87
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	227.74	225.02	179.29	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	341.4	342.7	348.7	- .4	- 2.1
MANUFACTURING	88.9	90.6	97.1	- 1.9	- 8.5
Durable Goods[e]	61.5	62.9	66.4	- 2.3	- 7.4
Stone, clay, and glass products	2.0	2.0	2.3	- .5	- 10.7
Fabricated metal products	6.7	6.9	6.9	- 2.4	- 3.3
Machinery, except electrical	29.2	29.6	31.2	- 1.5	- 6.5
Metalworking machinery	6.2	6.3	7.1	- 1.2	- 12.6
Electric and electronic equipment	4.7	4.9	5.4	- 3.7	- 13.0
Electrical industrial apparatus	2.7	2.8	3.3	- 2.5	- 16.3
Transportation equipment	12.8	13.4	14.0	- 4.4	- 8.3
Nondurable Goods[f]	27.4	27.7	30.7	- 1.0	- 10.9
Food and kindred products	3.3	3.2	3.0	1.9	7.4
Paper and allied products	5.1	5.2	6.1	- .4	- 15.0
Printing and publishing	7.6	7.6	9.3	.2	- 18.4
Rubber and misc. plastics products	7.6	7.9	8.7	- 3.7	- 11.8
NONMANUFACTURING[g]	252.5	252.1	251.5	.2	.4
CONSTRUCTION	11.5	11.5	12.7	.7	- 9.2
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.2	13.5	.5	- 1.7
Communication, electric, gas services	6.5	6.5	6.8	- .3	- 4.5
WHOLESALE TRADE	16.6	16.7	16.6	- .3	.2
RETAIL TRADE	55.6	55.3	56.4	.6	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	14.2	14.2	13.7	- .1	3.2
SERVICES	77.0	76.5	73.7	.6	4.4
GOVERNMENT	63.9	64.3	64.4	- .7	- .8
Federal government	26.6	26.5	26.3	.1	1.0
State government (includes education)	5.7	5.9	5.2	- 4.0	8.2
Local government	31.7	31.9	32.9	- .8	- 3.7
Local government, except education	13.0	13.1	14.1	- .6	- 7.9
Local government education	18.7	18.8	18.8	- .9	- .6

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$406.02	$422.51	$412.72	40.4	41.1	41.9	$10.05	$10.28	$ 9.85
Durable Goods[d]	407.62	427.04	416.44	40.6	41.3	42.8	10.04	10.34	9.73
Stone, clay, and glass products	423.33	392.24	360.06	41.1	39.7	38.8	10.30	9.88	9.28
Fabricated metal products	331.17	323.75	320.12	39.9	39.1	42.4	8.30	8.28	7.55
Machinery, except electrical	429.11	432.22	420.89	41.3	41.4	42.6	10.39	10.44	9.88
Metalworking machinery	400.36	390.00	390.16	39.6	39.0	41.2	10.11	10.00	9.47
Electric and electronic equipment	303.60	305.12	294.35	40.0	40.2	41.4	7.59	7.59	7.11
Electrical industrial apparatus	321.60	322.79	317.37	40.0	39.9	42.6	8.04	8.09	7.45
Transportation equipment	493.16	576.84	575.82	39.9	44.0	45.7	12.36	13.11	12.60
Nondurable Goods[e]	403.20	412.09	405.22	40.0	40.6	40.2	10.08	10.15	10.08
Food and kindred products	378.62	376.87	367.61	37.9	37.8	38.9	9.99	9.97	9.45
Paper and allied products	367.22	350.70	348.19	42.8	41.8	41.5	8.58	8.39	8.39
Printing and publishing	393.60	403.52	419.05	38.4	38.8	40.1	10.25	10.40	10.45
Rubber and misc. plastics products	484.41	511.77	505.26	40.2	42.4	40.1	12.05	12.07	12.60
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	549.41	541.95	511.03	39.3	39.3	39.8	13.98	13.79	12.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	418.57	418.44	409.46	39.6	39.7	40.5	10.57	10.54	10.11
WHOLESALE TRADE	308.58	308.80	284.95	41.7	41.9	41.0	7.40	7.37	6.95
RETAIL TRADE[f]	149.43	151.04	147.70	29.3	29.5	29.6	5.10	5.12	4.99
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	281.6	280.2	287.6	.5	-2.1
MANUFACTURING	69.2	67.2	74.9	3.0	-7.6
Durable Goods[e]	53.1	52.0	57.7	2.1	-8.0
Stone, clay, and glass products	12.3	12.3	13.0	-.1	-5.8
Primary metal industries	4.1	3.9	4.5	4.9	-10.2
Fabricated metal products	6.9	6.9	8.1	-.9	-15.5
Metal forgings and stampings	3.2	3.3	3.9	-1.1	-16.1
Machinery, except electrical	6.1	6.0	7.1	.9	-14.3
General industrial machinery	1.9	1.9	2.2	.5	-14.0
Transportation equipment	16.5	15.6	16.2	5.4	1.5
Motor vehicles and equipment	15.1	14.2	15.1	5.9	-.1
Nondurable Goods[f]	16.1	15.2	17.2	5.9	-6.2
Food and kindred products	4.6	3.8	4.6	22.5	1.9
Petroleum and coal products	1.7	1.7	2.0	-.9	-13.5
Rubber and misc. plastics products	2.9	2.9	3.3	.7	-10.5
NONMANUFACTURING[g]	212.3	212.9	212.7	-.3	-.1
CONSTRUCTION	9.9[h]	9.7[h]	12.6	2.8	-21.3
TRANSPORTATION AND PUBLIC UTILITIES	19.1	19.0	19.4	.5	-1.6
Communication, electric, gas services	7.9	7.8	7.8	.3	1.3
WHOLESALE TRADE	14.2	14.3	14.7	-.6	-2.9
RETAIL TRADE	51.1	50.9	51.4	.4	-.4
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	-.2	1.8
SERVICES	67.3	67.0	64.5	.4	4.4
GOVERNMENT	39.3	40.7	39.0	-3.3	.7
State government (includes education)	11.2	12.8	10.8	-12.3	3.4
Local government	25.3	25.1	25.4	1.0	-.3
Local government, except education	11.7	11.3	11.5	3.3	2.3
Local government education	13.6	13.7	13.9	-.9	-2.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$455.94	$462.91	$399.78	41.6	41.8	40.3	$10.96	$11.06	$ 9.92
Durable Goods[d]	475.07	482.58	408.22	41.6	42.0	40.1	11.42	11.49	10.18
Stone, clay, and glass products	488.94	484.18	409.60	43.5	43.0	40.0	11.24	11.26	10.24
Primary metal industries	404.09	421.88	386.88	40.9	42.4	41.6	9.88	9.95	9.30
Fabricated metal products	432.04	449.08	379.29	39.6	40.9	39.8	10.91	10.98	9.53
Metal forgings and stampings	468.86	528.24	423.74	39.4	42.6	39.9	11.90	12.40	10.62
Machinery, except electrical	423.20	424.66	410.47	40.0	40.1	40.6	10.58	10.59	10.11
General industrial machinery	488.99	481.03	455.80	41.3	40.8	41.1	11.84	11.79	11.09
Transportation equipment	553.74	574.62	480.38	42.4	43.4	40.3	13.06	13.24	11.92
Motor vehicles and equipment	552.86	574.62	479.99	42.3	43.4	40.2	13.07	13.24	11.94
Nondurable Goods[e]	394.48	394.83	368.51	41.7	41.3	40.9	9.46	9.56	9.01
Food and kindred products	392.81	429.78	380.98	43.5	43.9	43.0	9.03	9.79	8.86
Petroleum and coal products	630.64	603.94	590.50	44.6	43.2	44.1	14.14	13.98	13.39
Rubber and misc. plastics products	329.28	333.66	295.60	39.2	40.2	37.8	8.40	8.30	7.82
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	601.38	581.67	579.42	39.0	37.6	37.6	15.42	15.47	15.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	457.88	465.68	440.18	40.2	40.6	41.1	11.39	11.47	10.71
WHOLESALE TRADE	325.56	327.37	309.70	37.9	38.2	38.0	8.59	8.57	8.15
RETAIL TRADE[f]	158.71	160.68	157.47	29.5	29.7	29.6	5.38	5.41	5.32
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1982[b]	July 1982[c]	August 1981[c]	July 1982	August 1981
TOTAL	183.7	187.5	197.5	-2.0	-7.0
MANUFACTURING	52.8	56.8	66.7	-7.0	-20.9
Durable Goods[e]	46.9	50.9	61.0	-7.8	-23.1
Stone, clay, and glass products	1.9	1.8	2.0	3.2	-6.0
Primary metal industries	23.6	23.7	29.4	-.4	-19.6
Blast furnace and basic steel products	11.5	11.0	15.8	4.7	-27.2
Fabricated metal products	8.5	8.6	9.4	-1.5	-9.6
Fabricated structural metal products	2.7	2.7	2.8	.5	-2.3
Machinery, except electrical	4.8	4.9	5.6	-1.3	-14.2
Metalworking machinery	2.4	2.3	2.6	.6	-10.4
Electric and electronic equipment	2.9	2.9	3.1	.2	-5.0
Transportation equipment	3.4	7.2	9.7	-52.2	-64.3
Nondurable Goods[f]	5.9	5.9	5.7	-.3	2.0
NONMANUFACTURING[g]	130.9	130.7	130.8	.2	.1
CONSTRUCTION	6.3	6.2	7.0	1.9	-10.5
TRANSPORTATION AND PUBLIC UTILITIES	9.1	9.1	9.3	-.6	-2.2
Communication, electric, gas services	3.3	3.3	3.3	-.3	-1.4
WHOLESALE TRADE	7.8	7.9	7.9	-.6	-1.3
RETAIL TRADE	36.2	36.1	36.5	.3	-.9
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.2	-.3	2.1
SERVICES	40.4	40.3	39.4	.1	2.4
GOVERNMENT	22.9	22.8	22.6	.4	1.3
Local government (includes education)	18.0	17.8	17.8	.9	.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1982[b]	July 1982[c]	August 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]	Aug. 1982[b]	July 1982[c]	Aug. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.67	$466.89	$491.64	38.1	39.4	41.7	$11.54	$11.85	$11.79
Durable Goods[d]	453.77	481.90	505.36	38.1	39.5	41.8	11.91	12.20	12.09
Stone, clay, and glass products	334.70	291.42	300.13	39.1	34.9	37.8	8.56	8.35	7.94
Primary metal industries	470.49	482.28	496.96	36.5	36.9	39.1	12.89	13.07	12.71
Blast furnace and basic steel products	474.01	489.68	522.19	35.4	35.9	39.5	13.39	13.64	13.22
Fabricated metal products	453.16	465.29	478.63	38.6	39.1	40.7	11.74	11.90	11.76
Fabricated structural metal products	350.66	358.53	358.54	36.3	37.0	39.4	9.66	9.69	9.10
Machinery, except electrical	441.60	396.12	423.34	38.4	34.9	37.9	11.50	11.35	11.17
Metalworking machinery	448.52	398.11	459.89	38.9	35.2	40.2	11.53	11.31	11.44
Electric and electronic equipment	393.01	398.98	334.57	40.6	42.4	39.5	9.68	9.41	8.47
Transportation equipment	513.28	645.34	716.22	41.9	49.3	54.3	12.25	13.09	13.19
Nondurable Goods[e]	323.02	321.72	328.86	38.5	38.3	40.6	8.39	8.40	8.10
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	577.89	602.97	537.86	38.5	39.8	38.2	15.01	15.15	14.08
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	418.84	423.20	438.01	39.7	40.0	42.9	10.55	10.58	10.21
WHOLESALE TRADE	326.23	333.98	330.46	38.2	39.2	40.3	8.54	8.52	8.20
RETAIL TRADE[f]	157.77	158.06	153.39	29.6	29.6	29.9	5.33	5.34	5.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

JAMES A. RHODES, *Governor*
GARY F. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
SEPTEMBER 1982

Unemployment in Ohio was estimated at 629,000 in September, or 12.3 percent of the civilian labor force. This compares with 657,000 and 12.5 percent in August. Total employment decreased by 1.9 percent, to 4,493,000. Seasonal gains in education, coupled with recalls of factory workers, boosted nonfarm payroll employment .9 percent, to 4,218,000 in September.

Employment in Ohio's manufacturing industries advanced .9 percent from August, to 1,116,000 in September. The increase was attributable chiefly to gains among the automotive industries. Motor vehicle manufacturers recalled several thousand workers previously furloughed for new-model changeovers. Producers of various automotive parts--metal stampings, castings, wire components--also reported recalls. Employment in food processing increased as vegetable canners added temporary workers. Lack of orders, however, led to layoffs in the production of steel, metalworking machinery, and electrical equipment.

Nonmanufacturing employment in September rose .9 percent to 3,101,000. Gains in education were responsible for much of the increase, as schools and colleges added personnel. Seasonal hiring among department and food stores boosted retailing. Gains were moderated, however, by cutbacks in outdoor amusements, and in noneducational units of state and local governments.

Average weekly earnings of Ohio's factory production workers rose $6 from August, to $410 in September. The average workweek, at 40.3 hours, was .3 hours longer. More overtime boosted earnings in the production of glassware, motor vehicles, petroleum products, and paperboard containers. Higher earnings in plastics materials were attributable both to overtime and to wage-rate increases. Increases were also reported by producers of nonferrous castings and electrical industrial apparatus, although shorter workweeks held weekly earnings on par with August. Paper mills reported longer hours due to overtime on Labor Day.

Between September 1981 and September 1982, Ohio's unemployment rate climbed from 10.0 to 12.3 percent. Total employment declined 1.6 percent. Factory job losses lowered nonfarm payroll employment 3.2 percent, with notable curtailments reported by producers of nonelectrical machinery, primary and fabricated metal products. Nonmanufacturing dipped fractionally, as expansion in service industries moderated cutbacks elsewhere. Factory production workers grossed $13 more per week in September 1982 than in September 1981, despite a reduction of .7 hours in the length of the average workweek.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT IS OUR MOST IMPORTANT PRODUCT

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm establishments in Akron employed 255,900 in September, 4,900 above August. Schools and colleges added personnel at the beginning of the new academic year, boosting nonmanufacturing despite seasonal shrinkage in amusement services. Recalls in fabricated metal products raised manufacturing by 800, to 70,000 in September. The average workweek for factory production workers, at 41.3 hours, was 1.1 hours longer than in August. Their average hourly earnings, at $9.88 for the month, were 9¢ higher.

Canton.--Canton's nonagricultural wage and salary employment totaled 154,200 in September, up 700 from August. Manufacturing rose 300, to 50,600 for the month, as recalls boosted employment in industrial machinery and equipment. The moderate gain in nonmanufacturing was attributable to seasonal factors. Production workers in manufacturing industries grossed $10.38 per hour in September, up 4¢ from August. Their average workweek, at 39.0 hours, was .5 hours longer.

Cincinnati.--Nonfarm payroll employment in Cincinnati increased 5,800 from August, to 588,300 in September. Seasonal gains in public and private education boosted nonmanufacturing, accounting for most of the overall increase. Manufacturing employment totaled 150,400, up 300 for the month. The average workweek of factory production workers slipped .3 hours, to 40.4 hours for the month. Hourly earnings rose slightly to $9.62 in September.

Cleveland.--Nonagricultural establishments in the Cleveland area employed 859,200 wage and salary workers in September, up 1,500 from August. Manufacturing rose 2,000, to 228,600, as producers of motor vehicles and their suppliers recalled employees. In nonmanufacturing, seasonal expansion in retailing and education was more than offset by termination of summer employment programs in local government. The average factory production worker grossed $10.26 per hour for a workweek of 39.8 hours in September--up 8¢ and down .3 hours from August.

Columbus.--September nonfarm payroll employment in Columbus totaled 505,100, representing a gain of 2,600 from August. Seasonal growth in education boosted nonmanufacturing for the month, despite cutbacks among nonschool units of state and local government. Manufacturing increased slightly, to 88,200 in September. The average factory production workweek, at 40.0 hours, was .4 hours longer. Average hourly earnings, at $9.43, were up 3¢ from August.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 347,200 in September, up 6,300 from August. Increases in durable goods boosted manufacturing by 900, to 89,400 for the month. The increase in nonmanufacturing was attributable to seasonal hiring among public and private schools and colleges. Production workers in factories grossed $10.13 per hour, up 7¢ from August. Their average workweek slipped .2 hours, to 40.1 hours.

Toledo.--Toledo's nonagricultural wage and salary employment rose 2,500 from August, to 283,800 in September. The increase occurred in nonmanufacturing, due mainly to seasonal increases in education and settlement of labor-management disputes in construction. Manufacturing, at 69,200, was up 400 over the month. The hourly earnings of the average manufacturing production worker, at $10.83 an hour, were down 8¢ from August. The average workweek, at 41.5 hours, was little changed.

Youngstown-Warren.--Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 188,800 in September, up 5,400 from August. Recalls of automotive assembly workers, following retooling for new-model cars, increased manufacturing by 3,300, to 56,000 in September. In nonmanufacturing, seasonal expansion in education lifted employment in services and government. Average hourly earnings of factory production workers increased 11¢, to $11.75 an hour. Average weekly hours, at 39.9, were up 2.0 hours from the previous month.

Division of Research and Statistics
Ohio Bureau of Employment Services
10-15-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[i]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
September	262.9	158.8	598.2	883.1	508.5	356.2	291.8	202.2
October .	263.2	158.9	597.9	885.3	515.4	356.9	295.3	201.6
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August ..	250.9	153.4	582.4	857.7	502.5	341.0	281.3	183.3
September	255.9	154.2	588.3	859.2	505.1	347.2	283.8	188.8
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
September	76.8	56.5	159.7	249.9	94.3	99.6	76.9	69.4
October .	76.1	56.0	158.4	248.7	93.6	98.1	74.1	68.8
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
Fabruary.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.3	150.1	226.6	88.0	88.5	68.8	52.7
September	70.0	50.6	150.4	228.6	88.2	89.4	69.2	56.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
September	44.0	40.9	105.3	163.9	62.3	65.9	51.6	52.8
October .	43.3	40.4	104.3	162.4	61.4	64.8	49.0	52.3
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.1	35.3	97.3	142.4	56.7	56.2	45.0	37.3
September	37.9	35.6	97.8	144.8	56.8	57.2	45.4	40.2
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
September	40.8	40.1	41.2	40.9	40.0	40.8	41.6	41.5
October .	41.2	39.7	40.7	40.7	39.8	41.1	41.1	39.8
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.5	40.7	40.1	39.6	40.3	41.4	37.9
September	41.3	39.0	40.4	39.8	40.0	40.1	41.5	39.9

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
September	9.64	9.96	8.93	9.79	8.86	9.72	10.13	11.69
October .	9.66	9.98	8.99	9.83	8.96	9.96	10.20	11.58
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.34	9.60	10.18	9.40	10.06	10.91	11.64
September	9.88	10.38	9.62	10.26	9.43	10.13	10.83	11.75
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
September	393.31	399.40	367.92	400.41	354.40	396.58	421.41	485.14
October .	397.99	396.21	365.89	400.08	356.61	409.36	419.22	460.88
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	393.56	398.09	390.72	408.22	372.24	405.42	451.67	441.16
September	408.04	404.82	388.65	408.35	377.20	406.21	449.45	468.83

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
August	307.0	276.9	30.1	9.8	August	191.8	174.4	17.4	9.1
September ..	302.6	273.1	29.5	9.7	September .	189.2	169.1	20.1	10.6
October	302.2	273.7	28.6	9.4	October ...	187.0	169.5	17.5	9.4
November ...	304.6	272.2	32.4	10.6	November ..	188.8	168.9	19.9	10.5
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August[p]	310.0	272.4	37.6	12.1	August[p] ...	199.2	170.4	28.8	14.5
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.5	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
August	683.6	624.4	59.1	8.7	August	947.5	867.9	79.7	8.4
September ..	680.1	616.3	63.8	9.4	September .	922.4	839.8	82.6	9.0
October	678.9	616.1	62.7	9.2	October ...	923.6	843.7	79.9	8.7
November ...	684.3	617.1	67.2	9.8	November ..	931.4	844.3	87.1	9.4
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August[p]	694.5	621.9	72.6	10.4	August[p] ...	953.8	848.4	105.4	11.0

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
August	569.2	524.6	44.7	7.8	August	392.7	359.0	33.8	8.6
September ..	561.3	511.9	49.4	8.8	September .	388.9	354.8	34.1	8.8
October	565.5	519.2	46.3	8.2	October ...	389.7	356.4	33.3	8.5
November ...	570.6	520.4	50.2	8.8	November ..	393.8	357.1	36.7	9.3
December ...	563.4	514.2	49.2	8.7	December ..	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January ...	389.5	349.7	39.8	10.2
February ...	547.5	498.2	49.4	9.0	February ..	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July	581.1	528.3	52.8	9.1	July	401.3	356.8	44.5	11.1
August[p]	580.3	526.7	53.6	9.2	August[p] ...	399.3	353.8	45.5	11.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
August	370.7	330.9	39.9	10.8	August	234.5	207.1	27.4	11.7
September ..	365.7	324.9	40.8	11.2	September .	231.0	205.2	25.8	11.2
October	370.6	329.0	41.6	11.2	October ...	230.2	204.9	25.3	11.0
November ...	368.8	326.1	42.6	11.6	November ..	235.0	205.6	29.4	12.5
December ...	365.4	319.9	45.5	12.4	December ..	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January ...	232.6	196.1	36.5	15.7
February ...	355.7	310.0	45.7	12.8	February ..	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July	374.3	327.1	47.2	12.6	July	243.4	199.0	44.4	18.2
August[p]	371.6	326.4	45.2	12.2	August[p] ...	246.6	194.9	51.6	20.9

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
September	5,076	4,566	510	10.0	7.3
October .	5,084	4,580	504	9.9	7.5
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6
September	5,122	4,493	629	12.3	9.7

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
September	4,359.0	1,252.9	3,106.1
October .	4,363.4	1,232.0	3,131.4
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,179.0	1,106.4	3,072.6
September	4,217.5	1,116.4	3,101.2

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
September	32.6	165.9	221.2	231.6	722.9	206.2	871.1	654.6
October .	31.8	166.2	221.2	231.4	721.6	206.0	870.0	683.2
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	31.9	154.0	214.4	230.2	709.1	208.1	897.8	627.1
September	32.9	154.5	213.8	229.5	711.7	207.0	905.0	646.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
September	1,252.9	872.6	380.3	868.0	344.5	35.6
October .	1,232.0	858.2	373.8	848.8	334.0	34.3
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,106.4	750.5	355.8	737.0	298.0	29.5
September	1,116.4	758.5	357.8	746.9	306.4	30.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
September	396.88	408.59	365.79	41.0	40.9	41.1	9.68	9.99	8.90
October .	393.50	405.21	364.41	40.4	40.4	40.4	9.74	10.03	9.02
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.25	421.85	384.74	40.3	40.1	40.8	10.18	10.52	9.43

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
September	62.4	140.8	156.8	204.5	103.9	139.0	74.7	66.6	89.8
October .	60.9	137.3	155.0	202.3	102.0	136.6	71.2	66.7	88.7
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.2	113.0	133.4	175.1	93.7	120.4	71.2	62.4	79.9
September	55.0	113.6	134.5	174.8	93.1	126.3	72.5	62.4	80.0
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
September	360.14	504.00	385.60	391.96	354.08	485.41	378.88	364.03	359.96
October .	356.65	475.61	392.18	394.54	356.49	485.81	368.33	356.45	377.51
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	386.34	498.69	397.94	396.79	366.44	527.67	402.05	353.56	380.84

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	4217.5	4179.0	4359.0	.9	-3.2
MANUFACTURING	1116.4	1106.4	1252.9	.9	-10.9
Durable Goods[e]	758.5	750.5	872.6	1.1	-13.1
Lumber and wood products	13.1	13.1	14.0	.3	-6.1
Furniture and fixtures	13.6	13.6	15.2	.0	-10.8
Household furniture	6.2	6.2	7.3	-.2	-14.2
Stone, clay, and glass products	55.0	54.2	62.4	1.4	-11.9
Glass and glassware, pressed or blown.	13.8	13.6	15.0	1.5	-8.2
Structural clay products	4.7	4.6	6.1	2.7	-22.5
Pottery and related products	6.1	5.9	7.0	3.3	-12.7
Primary metal industries	113.6	113.0	140.8	.5	-19.3
Blast furnace and basic steel products	56.9	57.5	73.4	-.9	-22.4
Iron and steel foundries	24.0	23.7	29.4	1.3	-18.4
Nonferrous rolling and drawing	18.0	17.5	20.1	2.9	-10.3
Nonferrous foundries	8.4	8.3	10.2	.9	-17.7
Fabricated metal products	134.5	133.4	156.8	.8	-14.2
Cutlery, hand tools, and hardware	10.2	10.5	12.8	-3.1	-20.2
Plumbing and heating, except electric.	4.4	4.6	5.3	-4.8	-16.6
Fabricated structural metal products .	33.3	33.3	35.9	.1	-7.2
Screw machine products, bolts, etc. ..	9.2	9.3	10.7	-.9	-14.6
Metal forgings and stampings	37.3	35.4	46.0	5.2	-18.9
Machinery, except electrical	174.8	175.1	204.5	-.2	-14.5
Construction and related machinery ...	21.0	20.5	26.0	2.5	-18.9
Metalworking machinery	46.6	47.1	54.4	-1.1	-14.4
Special industry machinery	19.2	19.3	21.4	-.3	-10.0
General industrial machinery	32.7	32.9	39.3	-.8	-16.9
Electric and electronic equipment	93.1	93.7	103.9	-6	-10.3
Electrical industrial apparatus	19.8	20.0	24.1	-1.0	-17.5
Household appliances	15.5	15.8	18.1	-2.1	-14.7
Electric lighting and wiring equipment	18.4	18.7	20.3	-1.8	-9.2
Communication equipment	12.1	12.0	12.0	.2	.4
Transportation equipment	126.3	120.4	139.0	4.9	-9.2
Motor vehicles and equipment	79.4	74.1	93.3	7.1	-14.9
Aircraft and parts	38.0	37.4	36.5	1.6	4.1
Instruments and related products	20.6	20.3	22.2	1.5	-7.3
Measuring and controlling devices	12.0	11.8	13.6	1.9	-11.5
Nondurable Goods[f]	357.8	355.8	380.3	.6	-5.9
Food and kindred products	72.5	71.2	74.7	1.8	-2.9
Meat products	11.1	11.3	11.6	-1.1	-4.1
Dairy products	11.2	11.3	11.8	-.9	-5.5
Bakery products	11.5	11.4	11.7	.7	-2.3
Beverages	10.8	11.0	11.0	-1.8	-2.4
Textile mill products	4.4	4.4	4.9	-.6	-10.5
Apparel and other textile products	17.1	16.7	17.4	2.4	-1.7
Paper and allied products	35.3	34.8	38.5	1.5	-8.3
Paper mills, except building paper ...	8.9	8.9	10.0	.0	-10.9
Misc. converted paper products	11.2	11.0	11.8	1.6	-4.9
Paperboard containers and boxes	11.9	11.6	13.1	1.9	-9.7
Printing and publishing	62.4	62.4	66.6	.0	-6.3
Newspapers	18.3	18.3	19.7	.1	-7.2
Commercial printing	22.8	22.7	25.6	.3	-10.8
Chemicals and allied products	66.9	67.2	68.4	-.4	-2.2
Industrial inorganic chemicals	12.8	12.8	12.8	.0	-.2
Plastics materials and synthetics	9.1	9.2	9.8	-1.3	-7.2
Petroleum and coal products	13.8	13.7	14.4	.4	-4.2
Rubber and misc. plastics products	80.0	79.9	89.8	.2	-10.9
Tires and inner tubes	21.7	21.6	24.3	.3	-10.9
Miscellaneous plastics products	39.1	39.4	44.1	-.8	-11.3
Leather and leather products	5.3	5.3	5.5	-.3	-3.0

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.25	$404.40	$396.88	40.3	40.0	41.0	$10.18	$10.11	$ 9.68
Durable Goods[d]	421.85	415.51	408.59	40.1	39.8	40.9	10.52	10.44	9.99
Lumber and wood products	284.59	286.21	268.42	39.2	39.1	39.3	7.26	7.32	6.83
Furniture and fixtures	305.66	311.55	274.45	39.8	40.2	38.6	7.68	7.75	7.11
Household furniture	263.64	266.85	244.86	38.6	38.9	38.2	6.83	6.86	6.41
Stone, clay, and glass products	386.34	380.83	360.14	41.1	40.6	41.3	9.40	9.38	8.72
Glass and glassware, pressed or blown	398.93	372.07	374.74	40.5	38.2	40.6	9.85	9.74	9.23
Structural clay products	286.80	294.17	274.16	40.0	41.2	40.2	7.17	7.14	6.82
Pottery and related products	304.54	302.02	263.89	38.5	37.8	36.6	7.91	7.99	7.21
Primary metal industries	498.69	496.98	504.00	39.8	39.6	42.0	12.53	12.55	12.00
Blast furnace and basic steel products	528.26	524.10	555.44	38.7	38.2	42.4	13.65	13.72	13.10
Iron and steel foundries	498.04	496.52	442.68	42.1	41.9	40.8	11.83	11.85	10.85
Nonferrous rolling and drawing	478.63	478.28	480.40	39.2	39.3	40.1	12.21	12.17	11.98
Nonferrous foundries	352.00	356.29	338.24	40.0	41.0	40.9	8.80	8.69	8.27
Fabricated metal products	397.94	399.35	385.60	39.4	39.5	40.0	10.10	10.11	9.64
Cutlery, hand tools, and hardware	388.49	381.95	397.20	38.2	37.3	40.0	10.17	10.24	9.93
Plumbing and heating, except electric	342.91	342.02	321.39	38.4	38.3	37.9	8.93	8.93	8.48
Fabricated structural metal products	379.53	378.58	346.53	39.7	39.6	39.2	9.56	9.56	8.84
Screw machine products, bolts, etc.	328.24	337.31	352.34	37.3	38.2	39.5	8.80	8.83	8.92
Metal forgings and stampings	462.44	469.90	456.75	39.9	40.3	40.6	11.59	11.66	11.25
Machinery, except electrical	396.79	391.24	391.96	39.6	39.4	41.0	10.02	9.93	9.56
Construction and related machinery	397.17	395.76	388.00	38.9	38.8	40.0	10.21	10.20	9.70
Metalworking machinery	377.03	375.72	393.18	38.2	38.3	41.3	9.87	9.81	9.52
Special industry machinery	376.26	377.87	369.70	39.9	40.5	41.4	9.43	9.33	8.93
General industrial machinery	389.67	383.94	384.71	39.4	38.9	40.2	9.89	9.87	9.57
Electric and electronic equipment	366.44	365.98	354.08	38.9	39.1	40.1	9.42	9.36	8.83
Electrical industrial apparatus	335.61	336.97	360.59	36.4	37.4	41.4	9.22	9.01	8.71
Household appliances	367.82	367.09	353.31	38.8	38.6	39.3	9.48	9.51	8.99
Electric lighting and wiring equipment	375.23	373.19	328.38	41.6	41.1	39.9	9.02	9.08	8.23
Communication equipment	403.77	407.13	410.62	38.2	38.3	40.1	10.57	10.63	10.24
Transportation equipment	527.67	502.18	485.41	42.9	41.4	42.1	12.30	12.13	11.53
Motor vehicles and equipment	555.90	530.04	512.83	43.6	42.1	42.7	12.75	12.59	12.01
Aircraft and parts	461.30	441.05	411.60	40.5	39.1	40.0	11.39	11.28	10.29
Instruments and related products	289.81	287.96	274.03	39.7	39.5	39.6	7.30	7.29	6.92
Measuring and controlling devices	286.69	280.42	279.09	38.9	38.1	39.7	7.37	7.36	7.03
Nondurable Goods[e]	384.74	379.89	365.79	40.8	40.5	41.1	9.43	9.38	8.90
Food and kindred products	402.05	389.06	378.88	43.0	41.7	43.3	9.35	9.33	8.75
Meat products	411.48	424.54	426.13	40.7	40.9	43.0	10.11	10.38	9.91
Dairy products	412.16	396.88	358.19	44.8	44.0	43.0	9.20	9.02	8.33
Bakery products	382.00	376.74	363.94	39.3	39.0	40.8	9.72	9.66	8.92
Beverages	326.85	347.10	340.66	37.1	39.0	40.7	8.81	8.90	8.37
Textile mill products	263.74	261.58	261.74	38.9	39.1	39.9	6.78	6.69	6.56
Apparel and other textile products	218.46	218.21	204.23	37.6	37.3	36.6	5.81	5.85	5.58
Paper and allied products	407.48	395.23	385.42	44.1	43.1	44.2	9.24	9.17	8.72
Paper mills, except building paper	510.86	492.67	495.51	48.7	47.1	49.7	10.49	10.46	9.97
Misc. converted paper products	356.17	350.68	324.24	42.1	41.5	41.2	8.46	8.45	7.87
Paperboard containers and boxes	367.50	358.56	342.69	42.0	41.5	42.1	8.75	8.64	8.14
Printing and publishing	353.56	351.22	364.03	36.6	36.7	38.4	9.66	9.57	9.48
Newspapers	315.88	308.38	354.24	31.4	30.9	36.0	10.06	9.98	9.84
Commercial printing	365.15	362.70	384.75	37.8	37.9	39.3	9.66	9.57	9.79
Chemicals and allied products	422.71	419.43	394.83	41.0	41.0	41.3	10.31	10.23	9.56
Industrial inorganic chemicals	437.22	444.14	441.60	40.9	41.2	41.7	10.69	10.78	10.59
Plastics materials and synthetics	468.72	458.82	416.51	43.2	42.8	42.2	10.85	10.72	9.87
Petroleum and coal products	598.49	574.22	527.83	44.3	43.7	43.3	13.51	13.14	12.19
Rubber and misc. plastics products	380.84	335.15	359.96	40.3	40.8	40.4	9.45	9.44	8.91
Tires and inner tubes	510.72	510.76	509.72	42.0	41.9	42.3	12.16	12.19	12.05
Miscellaneous plastics products	362.34	368.12	340.35	39.6	40.1	39.9	9.15	9.18	8.53
Leather and leather products	192.62	197.32	185.10	36.9	37.8	36.8	5.22	5.22	5.03

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
NONMANUFACTURING	3101.2	3072.6	3106.1	.9	- .2
MINING	32.9	31.9	32.6	3.2	.7
Bituminous coal and lignite mining	13.7	12.7	14.4	8.0	- 4.5
CONSTRUCTION	154.5	154.0	165.9	.3	- 6.9
General building contractors	35.9	36.5	39.4	- 1.5	- 8.9
Heavy construction contractors	25.9	26.1	28.4	- .9	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	213.8	214.4	221.2	- .3	- 3.3
Railroad transportation	23.5	23.6	26.7	- .5	- 11.9
Transportation, except railroads	95.3	94.5	97.6	.9	- 2.3
Trucking and warehousing	70.8	70.1	73.5	1.0	- 3.6
Communication, electric, gas services	95.0	96.3	96.9	- 1.4	- 1.9
Communication	53.3	54.4	55.7	- 2.0	- 4.3
Electric, gas, and sanitary services	41.7	41.9	41.2	- .5	1.2
WHOLESALE TRADE	229.5	230.2	231.6	- .3	- .9
Wholesale trade-durable goods	147.5	147.9	149.4	- .2	- 1.2
Motor vehicles & automotive equipment	20.6	20.7	21.1	- .3	- 2.4
Electrical goods	19.3	19.2	19.4	.2	- .6
Machinery, equipment, and supplies	62.0	62.2	62.2	- .3	- .3
Wholesale trade-nondurable goods	82.0	82.3	82.3	- .3	- .4
Groceries and related products	24.5	24.5	24.2	- .2	1.1
RETAIL TRADE	711.7	709.1	722.9	.4	- 1.5
General merchandise stores	111.2	109.3	118.2	1.7	- 6.0
Department stores	101.5	99.7	108.0	1.8	- 6.1
Food stores	117.4	116.7	118.0	.6	- .5
Automotive dealers & service stations	70.2	70.7	73.4	- .7	- 4.2
Apparel and accessory stores	34.8	34.6	35.2	.6	- 1.3
FINANCE, INSURANCE, AND REAL ESTATE	207.0	208.1	206.2	- .5	.4
Banking	59.0	59.4	59.3	- .8	- .5
Credit agencies other than banks	30.7	30.8	30.2	- .2	1.7
Insurance carriers	58.7	59.0	58.8	- .6	- .2
SERVICES	905.0	897.8	871.1	.8	3.9
Hotels and other lodging places	33.1	34.5	32.3	- 3.9	2.8
Laundry, cleaning, & garment services	17.4	17.2	17.6	1.4	- 1.1
Business services	134.0	133.6	129.2	.3	3.7
Health services	318.3	317.9	301.6	.1	5.6
Hospitals	175.4	175.6	167.5	- .1	4.7
GOVERNMENT	646.8	627.1	654.6	3.1	- 1.2
Federal government	89.8	89.8	89.3	.0	.6
State government	128.8	122.5	129.3	5.1	- .4
State government, except education	71.4	72.1	72.1	- 1.0	- 1.1
State government education[i]	57.5	50.5	57.2	13.8	.5
Local government	428.1	414.8	436.0	3.2	- 1.8
Local government, except education	189.1	197.0	188.7	- 4.0	.2
Local government education	239.0	217.7	247.2	9.8	- 3.3

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$438.48	$437.38	$437.87	41.8	42.3	43.7	$10.49	$10.34	$10.02
Bituminous coal and lignite mining	521.77	524.75	524.52	40.7	40.9	42.3	12.82	12.83	12.40
CONSTRUCTION	553.91	560.92	488.52	37.2	37.9	35.4	14.89	14.80	13.80
General building contractors	500.36	500.98	453.14	36.9	37.0	35.1	13.56	13.54	12.91
Heavy construction contractors	594.68	603.45	493.89	40.1	40.5	36.9	14.83	14.90	13.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	459.17	455.30	436.08	37.0	36.6	36.8	12.41	12.44	11.85
Communication, electric, gas services	439.79	434.80	428.48	40.2	40.0	41.6	10.94	10.87	10.30
Communication	432.13	431.04	432.22	39.5	39.4	41.4	10.94	10.94	10.44
Electric, gas, and sanitary services	448.13	439.82	424.03	41.0	40.8	41.9	10.93	10.78	10.12
WHOLESALE TRADE	315.44	311.92	300.70	38.8	38.7	38.8	8.13	8.06	7.75
Wholesale trade-durable goods	306.92	306.93	296.74	38.9	39.0	39.2	7.89	7.87	7.57
Motor vehicles & automotive equipment	262.39	263.25	279.74	38.7	38.6	39.4	6.78	6.82	7.10
Electrical goods	255.43	254.00	247.59	36.7	36.6	37.4	6.96	6.94	6.62
Machinery, equipment, and supplies	335.09	334.84	306.92	39.1	39.3	38.9	8.57	8.52	7.89
Wholesale trade-nondurable goods	330.42	321.64	308.32	38.6	38.2	38.3	8.56	8.42	8.05
Groceries and related products	363.94	353.16	344.81	40.8	40.5	41.0	8.92	8.72	8.41
RETAIL TRADE[f]	154.94	154.88	153.11	29.4	29.5	29.5	5.27	5.25	5.19
General merchandise stores	157.86	160.87	161.82	30.3	30.7	31.0	5.21	5.24	5.22
Department stores	159.90	163.24	164.95	30.4	30.8	31.3	5.26	5.30	5.27
Food stores	224.11	224.82	236.28	31.3	31.4	33.0	7.16	7.16	7.16
Automotive dealers & service stations	201.30	198.55	196.79	36.8	36.7	37.2	5.47	5.41	5.29
Apparel and accessory stores	115.63	114.11	113.16	27.4	27.3	27.4	4.22	4.18	4.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	204.06	203.63	186.50	....	....	....	....	....	....
Credit agencies other than banks	203.68	202.82	191.66	....	....	....	....	....	....
Insurance carriers	275.98	275.76	255.14	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	272.21	269.94	245.48	34.5	34.3	34.0	7.89	7.87	7.22
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	255.9	250.9	262.9	2.0	- 2.7
MANUFACTURING	70.0	69.2	76.8	1.2	- 8.9
Durable Goods[e]	34.9	34.1	38.6	2.3	- 9.6
Stone, clay, and glass products	1.5	1.5	1.9	.7	- 18.7
Fabricated metal products	13.3	12.7	14.9	4.6	- 11.0
Machinery, except electrical	9.3	9.2	10.9	.9	- 15.1
Special industry machinery	1.6	1.7	2.1	- 1.8	- 20.9
Nondurable Goods[f]	35.1	35.1	38.2	.1	- 8.1
Food and kindred products	2.8	2.8	2.9	1.3	- 3.9
Chemicals and allied products	3.7	3.6	3.9	.9	- 4.7
Rubber and misc. plastics products	23.6	23.7	26.2	- .3	- 9.9
Tires and inner tubes	17.7	17.6	20.0	.4	- 11.4
NONMANUFACTURING[g]	185.9	181.7	186.1	2.3	- .1
CONSTRUCTION	7.9	7.9	8.5	.3	- 7.1
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	14.0	- .1	- 3.2
Communication, electric, gas services	5.5	5.6	5.5	- 1.4	- .2
WHOLESALE TRADE	12.4	12.5	12.1	- .4	2.5
RETAIL TRADE	46.0	45.9	45.9	.3	.3
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.3	9.2	- 1.0	- .5
SERVICES	54.1	55.2	53.3	- 2.1	1.4
GOVERNMENT	42.0	36.8	42.4	14.2	- .9
State government (includes education)	13.8	9.7	13.4	41.5	2.5
Local government (includes education)	26.1	24.9	26.8	4.8	- 2.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.04	$393.56	$393.31	41.3	40.2	40.8	$ 9.88	$ 9.79	$ 9.64
Durable Goods[d]	402.05	381.79	372.65	40.9	39.4	40.2	9.83	9.69	9.27
Stone, clay, and glass products	388.57	388.57	358.20	42.7	42.7	39.8	9.10	9.10	9.00
Fabricated metal products	405.16	390.63	359.28	39.8	38.6	38.1	10.18	10.12	9.43
Machinery, except electrical	390.58	393.95	387.11	41.2	41.6	42.4	9.48	9.47	9.13
Special industry machinery	361.67	352.56	361.67	39.7	39.0	42.7	9.11	9.04	8.47
Nondurable Goods[e]	414.50	408.29	418.74	41.7	41.2	41.5	9.94	9.91	10.09
Food and kindred products	443.09	436.50	400.45	46.3	45.0	45.3	9.57	9.70	8.84
Chemicals and allied products	434.78	434.95	423.20	42.5	42.6	43.9	10.23	10.21	9.64
Rubber and misc. plastics products	426.96	423.30	434.89	41.9	41.5	41.3	10.19	10.20	10.53
Tires and inner tubes	530.04	538.06	535.52	42.0	42.4	42.3	12.62	12.69	12.66
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	507.50	540.48	477.61	34.5	37.3	35.3	14.71	14.49	13.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.69	437.49	433.06	39.7	39.7	41.6	11.05	11.02	10.41
WHOLESALE TRADE	289.30	288.56	280.10	39.2	39.1	37.8	7.38	7.38	7.41
RETAIL TRADE[f]	169.83	171.54	170.85	29.9	30.2	30.4	5.68	5.68	5.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	154.2	153.4	158.8	.5	- 2.9
MANUFACTURING	50.6	50.3	56.5	.6	- 10.4
Durable Goods[e]	38.9	38.4	44.2	1.2	- 12.0
Stone, clay, and glass products	2.1	2.1	2.2	1.3	- 3.0
Primary metal industries	12.0	12.0	14.8	- .1	- 18.6
Fabricated metal products	9.2	9.2	10.3	1.0	- 10.0
Fabricated structural metal products	3.5	3.5	3.4	1.3	4.2
Metal forgings and stampings	2.4	2.3	3.2	1.5	- 26.5
Nondurable Goods[f]	11.7	11.9	12.3	- 1.4	- 4.6
Food and kindred products	4.1	4.2	4.3	- 3.2	- 5.9
Rubber and misc. plastics products	3.0	3.1	3.2	- 1.2	- 4.4
NONMANUFACTURING[g]	103.6	103.1	102.4	.4	1.2
CONSTRUCTION	5.4	5.4	5.6	.6	- 3.6
TRANSPORTATION AND PUBLIC UTILITIES	7.0	7.0	7.1	- 1.0	- 1.6
Communication, electric, gas services	3.0	3.0	3.0	- 3.0	- 2.3
WHOLESALE TRADE	7.3	7.3	7.3	- .7	.1
RETAIL TRADE	26.4	26.3	26.3	.4	.5
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.5	6.4	.7	3.1
SERVICES	31.2	31.0	30.3	.6	3.0
GOVERNMENT	18.2	18.1	18.1	.8	.9
Local government (includes education)	15.2	15.1	15.0	.9	1.8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.82	$398.09	$399.40	39.0	38.5	40.1	$10.38	$10.34	$ 9.96
Durable Goods[d]	408.87	403.56	405.78	38.5	38.0	39.9	10.62	10.62	10.17
Stone, clay, and glass products	267.98	250.97	270.22	39.7	38.2	41.7	6.75	6.57	6.48
Primary metal industries	467.20	452.06	481.59	36.5	35.4	39.9	12.80	12.77	12.07
Fabricated metal products	426.10	441.31	396.93	39.6	40.9	39.3	10.76	10.79	10.10
Fabricated structural metal products	410.87	430.08	356.69	40.4	42.0	39.5	10.17	10.24	9.03
Metal forgings and stampings	489.27	515.30	466.06	38.8	40.8	39.8	12.61	12.63	11.71
Nondurable Goods[e]	393.59	376.54	368.34	41.3	40.1	40.7	9.53	9.39	9.05
Food and kindred products	419.72	414.32	429.91	39.3	37.7	41.1	10.68	10.99	10.46
Rubber and misc. plastics products	410.18	401.36	373.80	46.4	46.4	44.5	8.84	8.65	8.40
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	557.96	537.63	496.66	37.7	36.4	36.6	14.80	14.77	13.57
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.84	459.00	444.78	40.5	40.8	42.0	11.28	11.25	10.59
WHOLESALE TRADE	295.24	290.29	275.08	37.9	37.7	38.1	7.79	7.70	7.22
RETAIL TRADE[f]	151.47	151.17	146.08	29.7	29.7	29.1	5.10	5.09	5.02
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	588.3	582.4	598.2	1.0	- 1.7
MANUFACTURING	150.4	150.1	159.7	.2	- 5.8
Durable Goods[e]	82.8	82.5	88.7	.4	- 6.7
Furniture and fixtures	2.2	2.2	2.6	.9	- 14.7
Primary metal industries	2.1	2.2	2.6	- 6.6	- 20.0
Fabricated metal products	12.8	12.7	14.8	.9	- 13.5
Fabricated structural metal products	4.3	4.3	4.7	.1	- 9.8
Machinery, except electrical	23.1	23.3	25.5	- 1.0	- 9.3
Metalworking machinery	11.9	12.1	13.3	- 2.0	- 11.0
General industrial machinery	3.2	3.3	3.7	- 2.0	- 12.7
Electric and electronic equipment	8.1	8.1	8.8	- .1	- 8.6
Transportation equipment	22.9	22.7	23.4	.8	- 2.1
Motor vehicles and equipment	8.0	7.9	7.5	1.6	7.3
Nondurable Goods[f]	67.6	67.6	70.9	.0	- 4.7
Food and kindred products	16.0	16.2	17.2	- 1.0	- 6.9
Meat products	2.1	2.2	2.5	- 5.5	- 16.1
Bakery products	2.6	2.5	2.6	4.5	- .3
Beverages	4.7	4.9	5.1	- 4.9	- 9.0
Apparel and other textile products	4.2	4.2	4.0	- 1.3	3.1
Paper and allied products	6.0	5.9	6.5	2.4	- 7.1
Printing and publishing	11.4	11.3	11.9	.3	- 4.6
Chemicals and allied products	22.3	22.3	22.5	- .1	- .8
Rubber and misc. plastics products	4.0	3.9	4.4	2.1	- 9.8
NONMANUFACTURING[g]	437.8	432.3	438.6	1.3	- .2
CONSTRUCTION	22.3	22.1	23.6	.8	- 5.5
TRANSPORTATION AND PUBLIC UTILITIES	32.7	32.6	33.4	.0	- 2.3
Communication, electric, gas services	14.3	14.5	14.3	- 1.6	- .4
WHOLESALE TRADE	37.4	37.5	37.9	- .2	- 1.3
RETAIL TRADE	100.8	100.0	102.4	.8	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	32.4	32.5	32.6	- .1	- .6
Banking	7.4	7.4	7.5	- .4	- .8
Insurance carriers	11.3	11.3	11.3	- .5	- .5
SERVICES	132.0	131.1	126.9	.7	4.0
GOVERNMENT	79.8	76.1	81.4	4.9	- 1.9
Federal government	12.7	12.8	12.8	- 1.3	- .5
State government (includes education)	17.0	16.5	17.0	3.4	.2
Local government	50.1	46.8	51.6	7.1	- 3.0
Local government, except education	22.5	22.6	22.7	- .3	- 1.0
Local government education	27.6	24.2	28.9	14.0	- 4.5

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$388.65	$390.72	$367.92	40.4	40.7	41.2	$ 9.62	$ 9.60	$ 8.93
Durable Goods[d]	378.54	380.97	362.25	40.1	40.4	41.4	9.44	9.43	8.75
Furniture and fixtures	262.81	267.89	266.42	36.4	36.9	38.5	7.22	7.26	6.92
Primary metal industries	321.32	328.79	391.68	34.7	34.5	40.8	9.26	9.53	9.60
Fabricated metal products	361.67	370.66	348.88	40.5	41.6	40.9	8.93	8.91	8.53
Fabricated structural metal products	331.97	347.78	341.56	39.9	41.6	43.4	8.32	8.36	7.87
Machinery, except electrical	330.91	337.26	339.80	38.3	38.9	40.5	8.64	8.67	8.39
Metalworking machinery	354.72	361.37	378.72	37.3	37.8	41.3	9.51	9.56	9.17
General industrial machinery	323.33	314.26	333.63	38.4	38.0	40.1	8.42	8.27	8.32
Electric and electronic equipment	284.70	277.81	274.44	39.0	37.9	40.3	7.30	7.33	6.81
Transportation equipment	564.19	550.32	508.47	43.2	42.3	44.1	13.06	13.01	11.53
Motor vehicles and equipment	659.57	651.73	625.78	45.3	44.7	48.1	14.56	14.58	13.01
Nondurable Goods[e]	399.67	400.98	375.15	40.7	41.0	41.0	9.82	9.78	9.15
Food and kindred products	452.92	458.89	413.88	41.4	42.1	41.1	10.94	10.90	10.07
Meat products	426.22	488.19	427.99	41.3	44.1	40.3	10.32	11.07	10.62
Bakery products	381.91	391.68	377.44	39.7	41.1	42.6	9.62	9.53	8.86
Beverages	418.81	437.31	357.10	41.1	43.6	38.9	10.19	10.03	9.18
Apparel and other textile products	224.87	220.52	200.41	40.3	39.1	37.6	5.58	5.64	5.33
Paper and allied products	355.31	354.87	330.01	41.9	41.7	41.2	8.48	8.51	8.01
Printing and publishing	385.84	374.74	386.40	38.7	38.2	40.0	9.97	9.81	9.66
Chemicals and allied products	442.60	450.17	409.12	40.2	41.3	41.2	11.01	10.90	9.93
Rubber and misc. plastics products	314.07	331.14	332.51	42.1	43.4	44.1	7.46	7.63	7.54
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.14	558.76	506.02	37.3	37.4	36.3	14.91	14.94	13.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	417.91	407.12	399.78	39.5	38.7	40.3	10.58	10.52	9.92
WHOLESALE TRADE	319.66	314.55	299.12	38.7	38.5	39.1	8.26	8.17	7.65
RETAIL TRADE[f]	157.34	157.78	154.53	30.2	30.4	30.3	5.21	5.19	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	198.80	200.06	191.33	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	859.2	857.7	883.1	.2	-2.7
MANUFACTURING	228.6	226.6	249.9	.9	-8.5
Durable Goods[e]	162.2	160.1	181.8	1.3	-10.8
Furniture and fixtures	2.3	2.2	2.2	1.1	1.6
Primary metal industries	27.0	26.6	30.5	1.7	-11.2
Blast furnace and basic steel products	14.1	14.0	15.8	.3	-11.2
Iron and steel foundries	6.8	6.6	7.3	2.8	-6.6
Nonferrous foundries	2.7	2.6	3.0	5.2	-10.1
Fabricated metal products	35.5	35.2	39.9	.9	-11.0
Fabricated structural metal products	4.1	4.1	4.7	-.2	-11.8
Screw machine products, bolts, etc.	5.5	5.5	5.9	-1.2	-7.5
Metal forgings and stampings	12.5	12.1	14.2	4.0	-11.6
Machinery, except electrical	38.1	37.9	45.8	.4	-16.8
Construction and related machinery	5.7	5.5	7.8	5.0	-26.5
Metalworking machinery	13.6	13.7	16.5	-.8	-17.7
Special industry machinery	4.3	4.3	4.5	1.0	-3.5
General industrial machinery	2.9	3.0	3.7	-2.8	-21.5
Electric and electronic equipment	24.0	24.1	25.1	-.2	-4.3
Electrical industrial apparatus	8.0	8.1	9.1	-1.9	-12.6
Transportation equipment	20.5	19.2	22.5	6.6	-8.9
Motor vehicles and equipment	13.6	12.4	15.0	9.4	-9.5
Instruments and related products	6.2	6.2	6.7	-.2	-7.5
Nondurable Goods[f]	66.4	66.5	68.1	-.1	-2.5
Food and kindred products	8.3	8.2	8.4	.4	-1.7
Bakery products	1.9	1.8	1.8	1.5	1.6
Beverages	1.6	1.6	1.6	-2.0	-.5
Apparel and other textile products	5.2	5.1	5.5	2.9	-4.1
Paper and allied products	5.1	5.0	5.1	2.1	-1.1
Printing and publishing	14.7	14.9	15.3	-1.1	-4.0
Chemicals and allied products	15.5	15.7	16.2	-1.3	-4.6
Industrial inorganic chemicals	3.9	3.9	4.2	.1	-6.7
Rubber and misc. plastics products	11.0	10.9	11.2	.3	-1.9
NONMANUFACTURING[g]	630.6	631.1	633.2	-.1	-.4
CONSTRUCTION	27.5	27.3	29.5	.7	-6.8
TRANSPORTATION AND PUBLIC UTILITIES	44.3	44.6	46.0	-.6	-3.6
Communication, electric, gas services	19.8	20.1	20.1	-1.4	-1.4
WHOLESALE TRADE	60.8	61.0	62.2	-.3	-2.2
RETAIL TRADE	135.6	134.4	138.2	.9	-1.9
FINANCE, INSURANCE, AND REAL ESTATE	48.1	48.4	48.0	-.7	.2
Banking	13.5	13.6	13.7	-.8	-1.1
Insurance carriers	11.7	11.8	11.9	-.8	-1.8
SERVICES	199.4	197.5	194.2	1.0	2.6
GOVERNMENT	113.7	116.6	113.8	-2.5	-.1
Federal government	19.2	19.3	19.6	-.2	-1.5
State government (includes education)	7.0	7.1	7.2	-2.2	-3.1
Local government	87.5	90.2	87.0	-3.0	.5
Local government, except education	46.5	50.5	46.2	-7.8	.8
Local government education	40.9	39.7	40.9	3.1	.1

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.35	$408.22	$400.41	39.8	40.1	40.9	$10.26	$10.18	$ 9.79
Durable Goods[d]	431.48	430.40	421.45	40.1	40.3	41.4	10.76	10.68	10.18
Furniture and fixtures	317.17	329.80	279.49	39.4	41.8	39.7	8.05	7.89	7.04
Primary metal industries	509.04	527.26	506.51	39.8	41.0	42.6	12.79	12.86	11.89
Blast furnace and basic steel products	487.81	517.13	558.78	35.4	37.5	42.3	13.78	13.79	13.21
Iron and steel foundries	674.91	676.32	566.37	47.9	48.0	43.5	14.09	14.09	13.02
Nonferrous foundries	324.61	341.73	310.79	38.1	39.1	38.8	8.52	8.74	8.01
Fabricated metal products	403.06	408.80	394.99	39.4	40.0	40.1	10.23	10.22	9.85
Fabricated structural metal products	356.70	351.02	330.34	41.0	41.2	39.8	8.70	8.52	8.30
Screw machine products, bolts, etc.	338.47	347.62	364.99	37.4	38.2	40.6	9.05	9.10	8.99
Metal forgings and stampings	489.57	510.05	482.98	39.9	41.4	41.0	12.27	12.32	11.78
Machinery, except electrical	412.78	399.75	418.20	39.5	39.0	41.0	10.45	10.25	10.20
Construction and related machinery	436.92	433.74	436.50	38.7	38.9	38.8	11.29	11.15	11.25
Metalworking machinery	365.30	366.38	424.11	37.2	37.5	42.2	9.82	9.77	10.05
Special industry machinery	415.42	420.03	397.02	38.5	39.0	39.0	10.79	10.77	10.18
General industrial machinery	380.98	394.13	415.95	38.6	39.1	42.1	9.87	10.08	9.88
Electric and electronic equipment	340.10	348.04	371.95	38.0	38.8	43.0	8.95	8.97	8.65
Electrical industrial apparatus	345.24	333.87	415.67	36.0	35.9	44.6	9.59	9.30	9.32
Transportation equipment	553.01	532.52	479.13	44.1	43.4	41.7	12.54	12.27	11.49
Motor vehicles and equipment	582.89	566.77	495.46	44.7	43.8	41.6	13.04	12.94	11.91
Instruments and related products	340.27	329.27	296.87	41.7	40.6	40.5	8.16	8.11	7.33
Nondurable Goods[e]	342.03	346.90	332.87	39.0	39.6	39.3	8.77	8.76	8.47
Food and kindred products	375.99	386.69	342.69	41.5	42.4	40.7	9.06	9.12	8.42
Bakery products	439.31	391.00	344.70	43.8	40.9	38.3	10.03	9.56	9.00
Beverages	330.34	318.40	316.84	41.5	39.8	41.8	7.96	8.00	7.58
Apparel and other textile products	246.42	242.00	237.25	37.0	36.5	37.9	6.66	6.63	6.26
Paper and allied products	358.70	363.60	345.70	39.9	40.4	41.5	8.99	9.00	8.33
Printing and publishing	353.35	349.20	360.51	35.8	36.0	36.9	9.87	9.70	9.77
Chemicals and allied products	420.04	414.73	395.35	40.9	40.9	40.8	10.27	10.14	9.69
Industrial inorganic chemicals	396.92	396.92	403.46	38.8	38.8	39.4	10.23	10.23	10.24
Rubber and misc. plastics products	291.85	313.58	280.76	39.6	41.7	39.6	7.37	7.52	7.09
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	613.96	638.06	552.75	37.3	38.6	35.8	16.46	16.53	15.44
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	468.03	464.84	463.56	39.9	39.9	41.8	11.73	11.65	11.09
WHOLESALE TRADE	330.58	334.38	320.97	38.8	39.2	39.0	8.52	8.53	8.23
RETAIL TRADE[f]	166.74	167.30	158.18	29.1	29.3	28.5	5.73	5.71	5.55
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	234.51	233.71	216.67	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	505.1	502.5	508.5	.5	-.7
MANUFACTURING	88.2	88.0	94.3	.2	-6.4
Durable Goods[e]	55.3	55.2	60.5	.3	-8.5
Stone, clay, and glass products	9.1	9.0	10.1	1.8	-9.3
Fabricated metal products	8.7	8.8	11.1	-1.1	-21.4
Machinery, except electrical	10.4	10.5	12.2	-.9	-14.7
Electric and electronic equipment	11.6	11.5	12.3	.2	-5.9
Transportation equipment	6.9	6.7	5.8	3.6	19.9
Nondurable Goods[f]	32.9	32.9	33.8	.2	-2.7
Food and kindred products	10.9	10.9	10.8	.2	.9
Printing and publishing	8.4	8.4	8.5	.6	-.9
Chemicals and allied products	6.0	5.9	5.9	.6	1.0
Rubber and misc. plastics products	2.7	2.7	3.1	-1.2	-15.0
NONMANUFACTURING[g]	416.8	414.4	414.2	.6	.6
CONSTRUCTION	18.0	18.1	19.3	-.5	-6.7
TRANSPORTATION AND PUBLIC UTILITIES	23.7	23.7	24.7	.0	-4.1
Communication, electric, gas services	11.2	11.3	11.7	-1.1	-4.0
WHOLESALE TRADE	27.7	27.7	27.4	-.1	1.0
RETAIL TRADE	93.7	93.1	93.8	.7	-.1
FINANCE, INSURANCE, AND REAL ESTATE	41.5	41.6	39.6	-.2	4.8
Banking	8.1	8.2	7.8	-.9	3.8
Insurance carriers	17.9	18.0	17.2	-.7	3.8
SERVICES	114.3	113.9	110.2	.4	3.8
GOVERNMENT	97.0	95.4	98.5	1.6	-1.6
Federal government	11.3	11.3	11.4	.0	-1.0
State government	44.3	44.0	45.5	.5	-2.6
State government, except education	28.6	28.9	29.2	-.8	-1.7
State government education[i]	15.6	15.2	16.3	3.0	-4.2
Local government	41.4	40.1	41.6	3.2	-.6
Local government, except education	17.7	19.4	17.4	-8.6	1.8
Local government education	23.6	20.6	24.2	14.4	-2.3

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$377.20	$372.24	$354.40	40.0	39.6	40.0	$ 9.43	$ 9.40	$ 8.86
Durable Goods[d]	390.57	385.52	363.53	40.1	39.5	39.6	9.74	9.76	9.18
Stone, clay, and glass products	378.12	351.66	339.77	41.1	38.9	39.6	9.20	9.04	8.58
Fabricated metal products	428.35	437.97	414.07	38.8	39.0	39.1	11.04	11.23	10.59
Machinery, except electrical	372.49	367.20	346.45	40.4	40.0	41.0	9.22	9.18	8.45
Electric and electronic equipment	390.46	385.92	364.05	40.8	40.2	39.7	9.57	9.60	9.17
Transportation equipment	456.44	468.86	382.57	40.9	41.9	38.8	11.16	11.19	9.86
Nondurable Goods[e]	351.83	346.26	337.02	39.8	39.8	40.9	8.84	8.70	8.24
Food and kindred products	364.59	347.32	340.59	42.1	41.2	42.1	8.66	8.43	8.09
Printing and publishing	402.64	398.11	383.38	37.7	37.7	39.2	10.68	10.56	9.78
Chemicals and allied products	393.31	384.56	365.44	40.8	40.1	41.2	9.64	9.59	8.87
Rubber and misc. plastics products	300.25	317.26	310.78	41.3	42.7	41.0	7.27	7.43	7.56
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	513.94	498.13	443.81	38.7	38.2	36.2	13.28	13.04	12.26
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.55	444.77	456.29	39.7	39.5	41.9	11.50	11.26	10.89
WHOLESALE TRADE	308.50	302.24	289.34	39.4	39.1	39.1	7.83	7.73	7.40
RETAIL TRADE[f]	156.17	154.08	145.24	29.3	28.8	29.4	5.33	5.35	4.94
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	229.24	227.74	182.34	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	347.2	341.0	356.2	1.8	- 2.5
MANUFACTURING	89.4	88.5	99.6	1.0	- 10.3
Durable Goods[e]	62.2	61.3	68.3	1.5	- 9.0
Stone, clay, and glass products	2.1	2.0	2.4	1.2	- 12.7
Fabricated metal products	6.6	6.6	7.0	- .6	- 5.7
Machinery, except electrical	29.7	29.2	31.9	1.7	- 7.0
Metalworking machinery	6.3	6.2	7.2	1.2	- 13.0
Electric and electronic equipment	4.6	4.6	5.6	.8	- 17.6
Electrical industrial apparatus	2.7	2.7	3.5	.3	- 23.1
Transportation equipment	13.2	12.8	14.8	2.6	- 10.8
Nondurable Goods[f]	27.1	27.2	31.2	- .1	- 13.1
Food and kindred products	3.3	3.3	3.1	.5	5.7
Paper and allied products	5.0	5.0	6.1	- .7	- 18.5
Printing and publishing	7.5	7.5	9.5	.4	- 21.3
Rubber and misc. plastics products	7.7	7.6	8.8	.2	- 13.0
NONMANUFACTURING[g]	257.9	252.5	256.6	2.2	.5
CONSTRUCTION	11.5	11.6	12.5	- 1.0	- 7.8
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.2	13.5	- 1.0	- 3.0
Communication, electric, gas services	6.3	6.5	6.7	- 2.9	- 5.9
WHOLESALE TRADE	16.7	16.6	16.5	.6	1.0
RETAIL TRADE	56.0	55.6	57.0	.8	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	14.1	14.2	13.6	- .3	3.8
SERVICES	78.8	77.0	75.5	2.5	4.4
GOVERNMENT	67.2	63.9	67.7	5.1	- .8
Federal government	26.9	26.6	25.9	1.1	3.8
State government (includes education)	5.5	5.6	5.1	- 1.1	7.2
Local government	34.8	31.8	36.7	9.6	- 5.1
Local government, except education	12.6	13.0	13.5	- 3.4	- 6.7
Local government education	22.3	18.8	23.2	18.6	- 4.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$406.21	$405.42	$396.58	40.1	40.3	40.8	$10.13	$10.06	$ 9.72
Durable Goods[d]	407.63	407.84	397.17	40.2	40.5	41.2	10.14	10.07	9.64
Stone, clay, and glass products	396.55	406.27	376.80	38.5	38.4	40.0	10.30	10.58	9.42
Fabricated metal products	322.97	328.55	284.57	39.1	39.3	38.3	8.26	8.36	7.43
Machinery, except electrical	422.09	429.11	411.84	40.9	41.3	41.6	10.32	10.39	9.90
Metalworking machinery	405.20	399.56	395.11	40.0	39.6	41.2	10.13	10.09	9.59
Electric and electronic equipment	292.99	302.84	296.74	38.2	39.9	41.1	7.67	7.59	7.22
Electrical industrial apparatus	300.37	317.15	314.67	36.9	39.3	41.9	8.14	8.07	7.51
Transportation equipment	520.33	494.40	515.58	41.1	40.0	42.4	12.66	12.36	12.16
Nondurable Goods[e]	404.40	400.20	397.98	40.0	39.9	40.2	10.11	10.03	9.90
Food and kindred products	397.32	391.16	396.01	39.3	38.5	39.8	10.11	10.16	9.95
Paper and allied products	356.54	361.23	371.51	41.7	42.2	43.3	8.55	8.56	8.58
Printing and publishing	376.24	383.91	410.29	37.4	38.2	39.3	10.06	10.05	10.44
Rubber and misc. plastics products	493.27	482.40	451.20	40.8	40.2	38.4	12.09	12.00	11.75
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	536.05	548.63	447.30	39.3	39.3	35.0	13.64	13.96	12.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	432.53	428.97	418.82	39.5	39.5	40.9	10.95	10.86	10.24
WHOLESALE TRADE	313.66	310.25	287.16	41.6	41.7	41.2	7.54	7.44	6.97
RETAIL TRADE[f]	149.50	149.94	148.92	29.2	29.4	29.2	5.12	5.10	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	283.8	281.3	291.8	.9	- 2.7
MANUFACTURING	69.2	68.8	76.9	.5	- 10.1
Durable Goods[e]	52.7	52.6	59.5	.3	- 11.3
Stone, clay, and glass products	12.1	12.1	13.0	- .3	- 7.5
Primary metal industries	3.8	4.0	4.6	- 5.4	- 18.1
Fabricated metal products	6.7	6.8	8.2	- .8	- 18.3
Metal forgings and stampings	3.2	3.2	4.0	1.5	- 19.9
Machinery, except electrical	6.0	6.0	7.0	- .7	- 15.4
General industrial machinery	1.8	1.8	2.2	- 1.3	- 17.7
Transportation equipment	16.7	16.3	17.6	2.0	- 5.3
Motor vehicles and equipment	15.2	14.9	16.4	1.8	- 7.1
Nondurable Goods[f]	16.4	16.2	17.5	1.2	- 5.9
Food and kindred products	4.9	4.7	5.1	3.1	- 4.6
Petroleum and coal products	1.7	1.7	1.7	.1	1.3
Rubber and misc. plastics products	3.0	2.9	3.2	1.6	- 7.2
NONMANUFACTURING[g]	214.6	212.5	214.9	1.0	- .1
CONSTRUCTION	11.2	10.1[h]	12.3	11.4	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	19.0	19.1	19.5	- .4	- 2.6
Communication, electric, gas services	7.8	7.9	7.7	- 1.0	1.1
WHOLESALE TRADE	14.3	14.3	14.7	- .1	- 2.5
RETAIL TRADE	51.0	51.1	51.5	- .3	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.5	- .1	2.4
SERVICES	67.2	67.3	64.5	- .1	4.2
GOVERNMENT	40.6	39.3	41.4	3.3	- 1.8
State government (includes education)	11.0	11.4	10.5	- 3.3	5.1
Local government	26.8	25.2	28.1	6.6	- 4.5
Local government, except education	11.3	11.5	11.4	- 1.0	- .6
Local government education	15.5	13.7	16.7	13.0	- 7.1

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[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$449.45	$451.67	$421.41	41.5	41.4	41.6	$10.83	$10.91	$10.13
Durable Goods[d]	467.21	469.99	436.58	41.2	41.3	41.5	11.34	11.38	10.52
Stone, clay, and glass products	474.46	468.57	433.39	42.4	42.1	42.2	11.19	11.13	10.27
Primary metal industries	411.07	406.72	403.74	40.7	41.0	42.1	10.10	9.92	9.59
Fabricated metal products	436.24	432.63	406.99	41.0	39.8	41.7	10.64	10.87	9.76
Metal forgings and stampings	475.93	478.00	467.42	40.1	40.0	42.3	11.87	11.95	11.05
Machinery, except electrical	423.80	422.94	421.07	40.4	39.9	41.0	10.49	10.60	10.27
General industrial machinery	473.28	470.26	461.85	40.8	40.4	41.2	11.60	11.64	11.21
Transportation equipment	541.73	553.78	526.25	41.8	42.5	42.1	12.96	13.03	12.50
Motor vehicles and equipment	541.68	552.90	529.20	41.7	42.4	42.1	12.99	13.04	12.57
Nondurable Goods[e]	392.20	393.65	368.34	42.4	41.7	42.0	9.25	9.44	8.77
Food and kindred products	413.25	394.25	386.51	47.5	44.1	45.1	8.70	8.94	8.57
Petroleum and coal products	603.07	622.86	562.76	43.2	44.3	44.0	13.96	14.06	12.79
Rubber and misc. plastics products	324.18	332.02	311.26	39.2	39.2	39.3	8.27	8.47	7.92
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	598.69	622.51	498.19	35.7	39.6	32.1	16.77	15.72	15.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.26	476.08	454.95	40.3	40.9	41.7	11.52	11.64	10.91
WHOLESALE TRADE	342.99	326.80	318.27	38.8	38.0	38.3	8.84	8.60	8.31
RETAIL TRADE[f]	159.64	159.25	158.47	29.4	29.6	29.4	5.43	5.38	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1982[b]	August 1982[c]	September 1981[c]	August 1982	September 1981
TOTAL	188.8	183.3	202.2	3.0	- 6.7
MANUFACTURING	56.0	52.7	69.4	6.2	- 19.4
Durable Goods[e]	50.0	46.8	63.5	6.9	- 21.2
Stone, clay, and glass products	2.0	1.9	2.0	2.8	- .8
Primary metal industries	23.1	23.4	29.9	- 1.6	- 22.9
Blast furnace and basic steel products	10.6	11.3	15.6	- 6.5	- 31.9
Fabricated metal products	8.5	8.5	9.2	.5	- 6.8
Fabricated structural metal products	2.7	2.7	2.8	- .2	- 3.3
Machinery, except electrical	4.8	4.9	5.6	- .9	- 13.0
Metalworking machinery	2.4	2.4	2.6	.0	- 7.4
Electric and electronic equipment	2.6	2.9	3.1	- 10.3	- 16.3
Transportation equipment	7.2	3.4	11.9	112.5	- 39.0
Nondurable Goods[f]	5.9	5.9	5.9	1.2	.9
NONMANUFACTURING[g]	132.8	130.7	132.8	1.6	.0
CONSTRUCTION	6.3	6.2	6.9	.3	- 9.6
TRANSPORTATION AND PUBLIC UTILITIES	9.1	9.0	9.3	.5	- 2.6
Communication, electric, gas services	3.2	3.3	3.3	- 1.5	- 2.5
WHOLESALE TRADE	7.8	7.8	8.0	- .5	- 2.1
RETAIL TRADE	36.1	36.1	36.6	.1	- 1.2
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.4	7.2	- .1	2.9
SERVICES	41.1	40.3	40.1	1.9	2.5
GOVERNMENT	24.1	22.8	24.0	5.7	.5
Local government (includes education)	19.4	18.0	19.3	7.8	.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1982[b]	August 1982[c]	September 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]	Sep. 1982[b]	Aug. 1982[c]	Sep. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$468.83	$441.16	$485.14	39.9	37.9	41.5	$11.75	$11.64	$11.69
Durable Goods[d]	484.80	454.36	497.59	40.0	37.8	41.5	12.12	12.02	11.99
Stone, clay, and glass products	325.23	309.76	294.38	37.0	35.2	37.5	8.79	8.80	7.85
Primary metal industries	485.09	476.84	535.87	37.2	36.4	41.0	13.04	13.10	13.07
Blast furnace and basic steel products	503.52	484.05	585.16	36.7	35.0	42.9	13.72	13.83	13.64
Fabricated metal products	458.24	451.24	455.94	39.3	38.7	40.1	11.65	11.66	11.37
Fabricated structural metal products	354.72	348.65	340.58	37.3	36.7	37.8	9.51	9.50	9.01
Machinery, except electrical	432.43	426.73	427.96	37.8	37.4	38.8	11.44	11.41	11.03
Metalworking machinery	459.36	458.93	428.96	39.6	39.7	38.3	11.60	11.56	11.20
Electric and electronic equipment	394.83	393.66	345.02	41.0	40.5	40.4	9.63	9.72	8.54
Transportation equipment	642.00	530.93	551.46	50.0	43.2	45.5	12.84	12.29	12.12
Nondurable Goods[e]	324.58	329.94	336.57	39.2	39.0	41.5	8.28	8.46	8.11
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.01	573.35	527.99	36.4	38.3	37.0	15.22	14.97	14.27
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	433.13	433.52	450.39	39.7	39.7	43.6	10.91	10.92	10.33
WHOLESALE TRADE	329.08	331.57	331.20	38.0	38.6	40.0	8.66	8.59	8.28
RETAIL TRADE[f]	157.00	157.24	156.38	29.4	29.5	29.9	5.34	5.33	5.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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